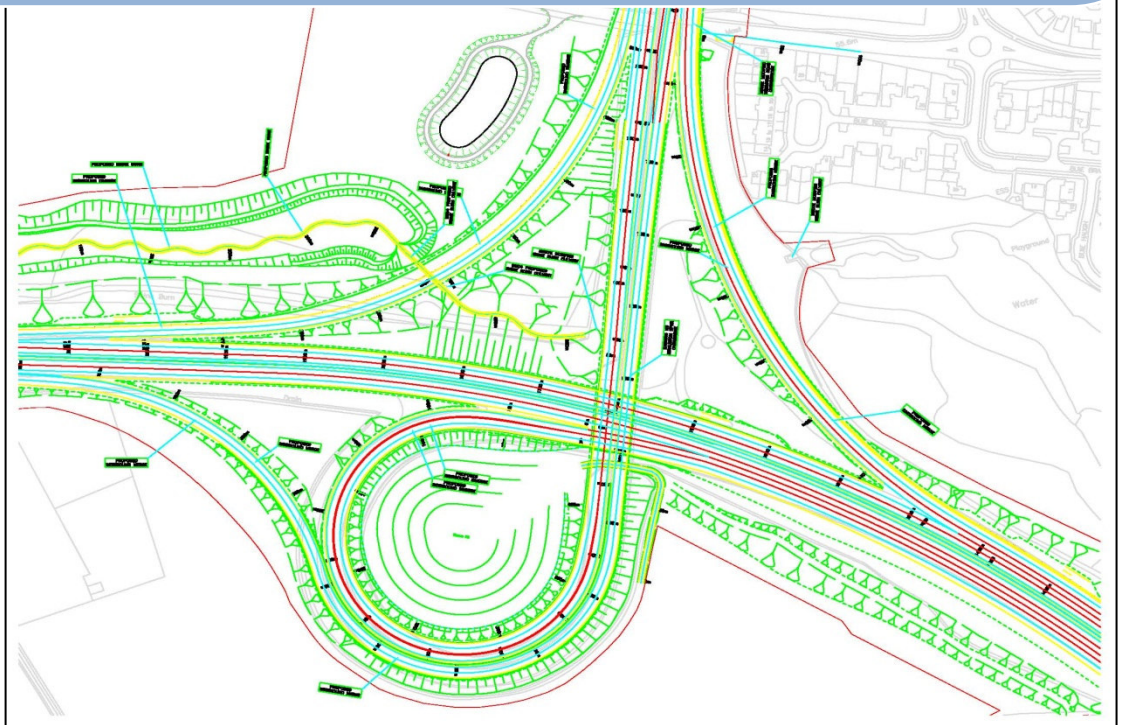


FORTH REPLACEMENT CROSSING M9 Junction 1a – Project Quality Plan: Volume 4 POLLUTION INCIDENT CONTROL AND RESPONSE MANAGEMENT PLAN







FORTH REPLACEMENT CROSSING M9 Junction A1

Pollution Incident Control and Response Management Plan

CONTROLLED DOCUMENT

(Unless Printed)

Report No: PICMP02			
Status:	Construction Issue	Copy No:	Issue 2

	Name	Signature	Date
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Checked SRB:	Seamus O'Brien		March 2012
Checked GIFFORD:	Natasha Collings		March 2012
SRB Approved:	Seamus O'Brien		March 2012

Revision Record

Rev	Date	By	Summary of Changes	Chkd	Aprvd
01	18th September 2011	RT	Reflect EDT, Statutory Bodies and Local Authorities Consultations and Review	SOB	SOB
02	14 th March	RT	To reflect review by SRB	SOB	SOB

INTRODUCTION

Site Name and Address:

SRB Civil Engineering Ltd. (Sisk – Roadbridge JV)

M9 Junction 1a Site Offices,

101 Stirling Road,

Kirkliston

EH29 9GA

Phone: 077 128542426

Summary of main business activities carried out on site

Construction and Civil Engineering Works including the following:

- Structural Engineering
- Structural Repair work
- Earthmoving
- Drainage
- Services installation
- Cranage
- Landscaping
- River and Stream associated works
- Bituminous surfacing operations
- Transport
- ITS installation
- Fencing
- Site Clearance

Estimated number of personnel on site

Approximately 50-60 persons

Plan Objectives

To carry out the works in such a way as to avoid pollution incidents; however should any occur, procedures and measures will be implemented to contain, limit and mitigate the effects as far as reasonably practicable.

Objective:

The Pollution Incident Response Plan includes details of controls to be adopted to manage the risk of pollution incidents and procedures to be followed in the event of any pollution incidents.

The Pollution Incident Response Plan will include the following, as appropriate:

- Reference to the management plans for other construction activities insofar as they are relevant for the purposes of mitigating against pollution incidents.
- Procedures to be adopted to contain, limit and mitigate any adverse effects, as far as reasonably practicable, in the event of a pollution incident.
- Details of spill clean-up companies appropriate to deal with pollution incidents associated with the materials being used or stored on site.
- Procedures to be followed and appropriate information to be provided in the event of any incident such as a spillage or release of a potentially hazardous material.
- Procedures for notifying appropriate emergency services, authorities the Employer's Representative and personnel on the construction site.

- Procedures for notifying relevant statutory bodies, environmental regulatory bodies, local authorities and local water and sewer providers of pollution incidents, where required.
- Procedures for notifying persons or owners and occupiers of property affected by any pollution incident as soon as possible after the incident occurring, including notification of the actions which will be, or are being taken, to address the effects of the incident.
- Maps showing the locations, together with address and contact details, of local emergency services facilities such as police stations, fire authorities, medical facilities and other relevant authorities.
- Contact details for the persons responsible on the construction site and within the contractor's organisation for pollution incident response.

The Pollution Incident Response Plan will also be prepared in accordance with PPG 21 Pollution Incident Response Planning.

The contractor will consult with relevant organisations including emergency services, statutory bodies, environmental regulatory authorities, local authorities, local water and sewer providers and the Health and Safety Executive regarding development of the Pollution Incident Response Plan.

Pollution Prevention Measures

SRB will implement appropriate measures to limit, as far as reasonably practicable, the risk of pollution due to construction works and materials. Such measures will be set out in the subsidiary management plans required by this CoCP for other construction activities, including the:

- Area Management Plan;
- Noise and Vibration Management Plan;
- Dust and Air Pollution Management Plan;
- Geology, Land Contamination and Waste Management Plan; and
- Surface and Ground Water Management Plan.

Pollution Prevention Guidelines are referred to in other sections of this CoCP. In particular, SRB will note and comply with the guidelines contained in:

- PPG 18: Managing fire water and major spillages;
- PPG 22: Dealing with spillages on highways; and
- PPG 26: Storage and handling of drums and intermediate bulk containers.

SRB will be responsible for compliance with the Environmental Liability (Scotland) Regulations 2009 regarding any imminent threat of environmental damage (as defined in the regulations), and will take appropriate actions that may be necessary as a consequence of construction works, as required by the regulations.

External and Internal Contact Lists

Contact	Office Hours	Out of Hours	Address
SRB Emergency Response	24 hour 077 15802591	24 hour 077 15802591	Site Compound
Fire	999 or 112 (Mob) 0131 228 2401	999 or 112 (Mob) 0131 228 2401	Fire Station, 76-78 Lauriston Place, Edinburgh, Midlothian, EH3 9DE,

Police	999 or 112 (Mob) 0131 331 1798	999 or 112 (Mob) 0131 331 1798	Queensferry Police, 13 Hopetoun Rd., Queensferry, Edinburgh, EH30 9RB, United Kingdom
Scottish Ambulance Service	999 0131 446 7000	999 or 112 (Mob) 0131 446 7000	23 Tipperlinn Rd Edinburgh, City of Edinburgh EH10 5UU, United Kingdom
SEPA Communication Centre	0800 807060	0800 807060	NA
Scottish Natural Heritage	01292 261392	01292 261392	01292 261392
Scottish water – 24 hour emergency hotline	0845 600 885	0845 600 885	TBC
Electricity Company – Scottish Power	0845 272 7999	0845 272 7999	0845 272 7999
Waste Management Contractor – William Tracey	01 506 863 500	01 506 863 500	01 506 863 500
Specialist Clean up contractor engaged (as per Section 14.2.2 of the CoCP)	Cheryl Hanlon 07908 051354	0141 889 3207	49 Burnbrae Roadbridge Linwood Industrial Estate, Linwood PA3 3BD
FRC Helpline	08000786910	08000786910	Site

Site chemical, product and waste inventory

Material Name	Solid/Liquid/Gas or Powder	Maximum Amount	Location	Type of Containment	Relevant Health and Environmental Properties
Diesel	Liquid	5000 litres in bunded tank	Compound	Bunded and roofed area	Flammable
Cement	Powder	One tonne in 24kg bags	Compound	Palleted	Irritant
Engine oil	Liquid	1000 litres in 25l drums	Compound	Locked bunded container	Flammable

Hydraulic oil	Liquid	1000 litres in 25l drums	Compound	Locked bunded container	Flammable
Mould oil	Liquid	100 litres in 25l drums	Compound	Bunded container	Flammable

Pollution Prevention Equipment Inventory (on and off site resources)

A static spill kit will be maintained at the Fitters Shed (SK1) and outside the Canteen (SK2) and also at Swine Burn and Niddry Burn. In addition, the Environmental Managers site vehicle will have an emergency response spill kit (SK3)

Equipment Type	Amount	Locations	Staff Contact
Oil booms	2	SK1	
Drum pumps	1	SK1	
Absorbent mats	30	SK1, SK2, SK3	
Pipe Blockers	4	SK1, SK2, SK3	
Absorbent Granules (25kg)	10	SK1, SK2, SK3	

Site Plan

See attached layout drawing in Appendix A of the CEMP

Drainage Plan

To be included when design is finalised

Procedures for alerting key staff

The Environmental Manager will co-ordinate the response and will alert the appropriate staff by phone.

Communication of Plan to Workforce

The plan will be communicated through the site induction process and reinforced through regular toolbox talks

Reference to the management plans for other construction activities insofar as they are relevant for the purposes of mitigating against pollution incidents.

The Emergency Response Plan developed within the Construction Phase Health and Safety Plan will complement the incident response plan as required.

Procedures to be adopted to contain, limit and mitigate any adverse effects, as far as reasonably practicable, in the event of a pollution incident.

The actions to be taken in the event of an environmental emergency are detailed in the sections below. In any incident the primary action must be to prevent/minimise the impact of that incident on the receiving medium i.e. land, water, air etc. Second to this is the need to communicate the incident to all relevant parties as soon as possible after the event has occurred.

The Environmental Manager will be immediately alerted by the Section Agent or Foreman that there has been an incident and will proceed to the area to co-ordinate the response. The Environmental Manager will inform the Health and Safety Advisor and the EDT and they will also proceed to the area to evaluate the risk to health.

Personnel will immediately deploy the spill containment kits as appropriate. The Health and Safety Advisor will determine if there is a need to evacuate the area.

Reporting of Incidents to SEPA

The Environmental Manager / Pollution Incident Response Manager will contact SEPA as soon as practicable without delay and in any case by the end of the next working day after identification of the incident. This notification shall include:

- Time and duration of the incident
- A description of the cause of the incident
- Any effect on the environment as a result of the incident
- Measures taken to minimise or mitigate the effect and prevent a recurrence

Where requested by SEPA, he will provide a written Incident Investigation Report to SEPA within 14 days of the date of the incident. The Report will include the CAR Licence Number and the name of the responsible person.

Details of spill clean-up companies appropriate to deal with pollution incidents associated with the materials being used or stored on site.

William Tracey Ltd. will provide external environmental response capability for the M9J1a Project.

The relevant contact numbers are provided in the Table above.

Procedures to be followed and appropriate information to be provided in the event of any incident such as a spillage or release of a potentially hazardous material.

MSDS datasheets will be provided for the materials and if required the Site Emergency Plan will be enacted and the site or area evacuated. The Health and Safety Advisor will then take over operations and co-ordinate with the emergency services.

Procedures for notifying appropriate emergency services, authorities the Employer's Representative and personnel on the construction site.

The Health and Safety Advisor will co-ordinate the response with the Emergency Services and will co-ordinate the response with the Site Manager who in turn will communicate the required action to the personnel within their section.

Procedures for notifying relevant statutory bodies, environmental regulatory bodies, local authorities and local water and sewer providers of pollution incidents, where required.

The Environmental Manager will liaise with the Employer's Representative to inform these bodies.

Procedures for notifying persons or owners and occupiers of property affected by any pollution incident as soon as possible after the incident occurring, including notification of the actions which will be, or are being taken, to address the effects of the incident.

Where required, the Health and Safety Advisor or Environmental Manager will make contact to inform these persons and communicate these measures to them. In so far as is practicable, the Employer's Representative will be informed of this before contact is made.

Contact details for the persons responsible on the construction site and within the contractor's organisation for pollution incident response.

Role	Name
Pollution Incident Response Manager / Environmental Manager	Roland Tarrant (00353-872663561) 077 12854246

Review and maintenance of Plan

The Environmental Manager will review the plan at six monthly intervals

Monitoring

SRB will investigate and provide reports on any pollution incidents to the Employer's Representative, including, as appropriate:

- A description of the pollution incident.
- Contributory causes.
- Adverse effects.
- Measures implemented to mitigate adverse effects.
- Effectiveness of measures implemented to prevent pollution incidents.

SRB will undertake appropriate monitoring of the procedures and measures set out in the management plans for construction activities required by this CoCP to prevent pollution incidents to ensure they are being adequately implemented.

SRB will monitor the effectiveness of the procedures and measures implemented to prevent pollution incidents and the effectiveness of the response procedures set out in the Pollution Incident Response Plan to identify any areas where improvement is required to comply with the requirements of the CoCP.

Testing of the Incidence Response Plan

The Incident Response Plan will be tested at 6 month intervals arranged by the Health and Safety Advisor and the Environmental Manager.

References

- Control of Pollution Act 1974
- Environmental Liability (Scotland) Regulations 2009
- Environmental Protection Act 1990, as amended
- Health and Safety at Work Act 1974
- Pollution Prevention and Control Act 1999
- Pollution Prevention and Control (Scotland) Regulations 2000, as amended
- PPG 18: Managing fire water and major spillages, Scottish Environment Protection Agency
- PPG 21: Pollution Incident Response Planning, Scottish Environment Protection Agency
- PPG 22: Dealing with spillages on highways, Scottish Environment Protection Agency
- PPG 26: Storage and handling of drums and intermediate bulk containers, Scottish Environment Protection Agency
- The Water Environment (Controlled Activities) (Scotland) Regulations 2005
- The Water Environment (Controlled Activities) (Scotland) Regulations 2005: A Practical Guide, Scottish Environment Protection Agency
- Water Environment and Water Services (Scotland) Act 2003