

**PASMINCO COCKLE CREEK SMELTER PTY LTD (PCCS) – POLLUTION INCIDENT RESPONSE
MANAGEMENT PLAN**

Person responsible for:

- activating this Management Plan
- notifying, immediately after becoming aware of a pollution incident:
 - Environment Protection Authority – Pollution Line
 - Lake Macquarie City Council
 - Ministry of Health
 - SafeWork NSW
 - Fire and Rescue NSW
- managing PCCS's response to any pollution incident

Site Manager: Wayne Woodward
Contact Details: Mob 0403278575

Training	Training in this Management Plan will be provided to PCCS Staff
	Training in pollution incident emergency response for site personnel will occur as required
	Details of training must be recorded in the site Training Program Register
Testing and Review	This Management Plan will be tested by assessment and reviewed annually as a minimum, or within one month from when an actual pollution incident commenced (e.g. scenarios, and or discussion/review forums) and updated where required. Details of review and changes are maintained on site. The date of the last review and authoriser are listed below.

Activity

Description of the hazards to human health or the environment	Likelihood of hazard occurring including any conditions or events that could increase the likelihood of occurrence	Pre-emptive action to be taken to minimise or prevent risk of harm
Discharge of contaminated water/stormwater from surface facilities	May occur during periods of high rainfall	<ul style="list-style-type: none"> ▪ Stored water to be processed through the Effluent Treatment Plant and discharged off-site through licensed discharge points ▪ On-site dams to be managed to maximise storage capacity and minimise the risk of overflow ▪ Regular meetings to discuss water management activities at the site ▪ Site supervisor's approval required for the draining of any accumulated water

Inventory of Potential Pollutants

Inventory of Potential pollutants on premises	Maximum Quantity of any pollutant stored on premises	Description of safety equipment or other devices used to minimise risks
Hydrated Lime	3 tonnes	Bagged and stored in water treatment plant building.
Envirofloc 3001	5,000 litres	Bund around tank in water treatment plant building.
Calcium Hydroxide	5,000 litres	Bund around tank in water treatment plant building.
Hybind 2007	5,000 litres	Bund around tank in water treatment plant building.

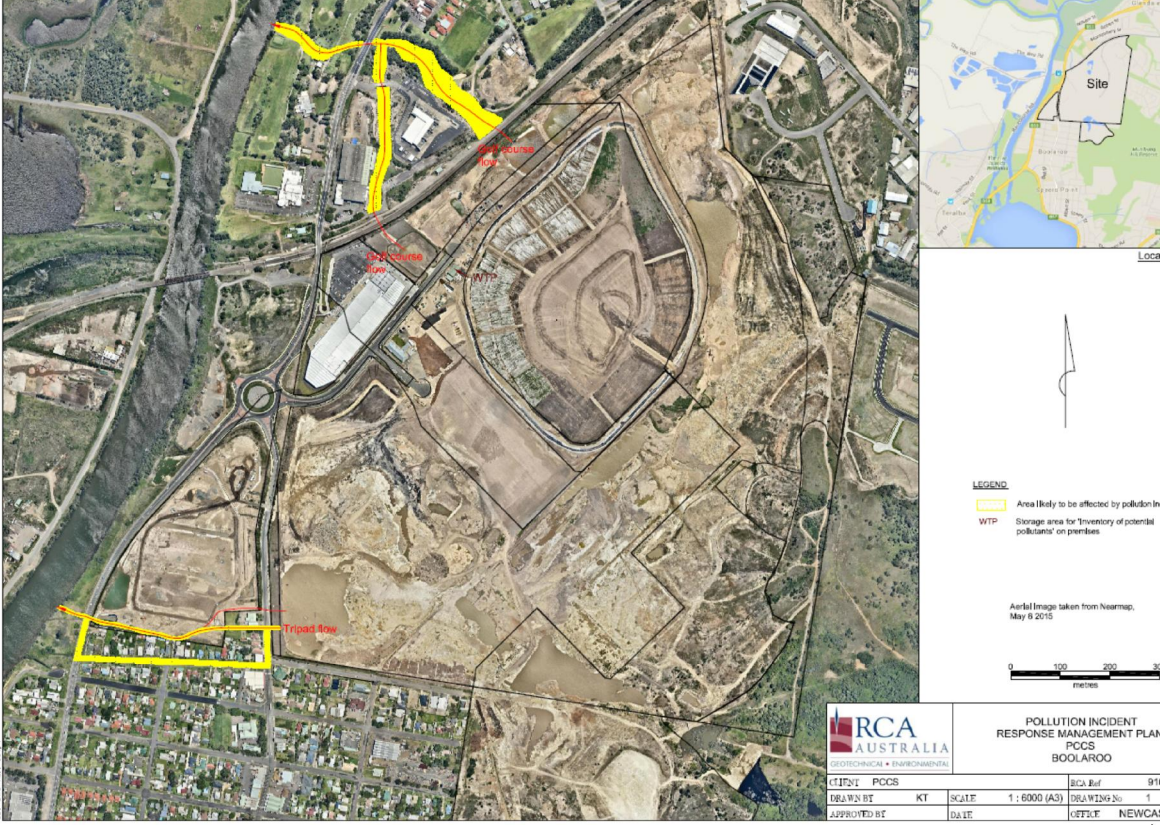
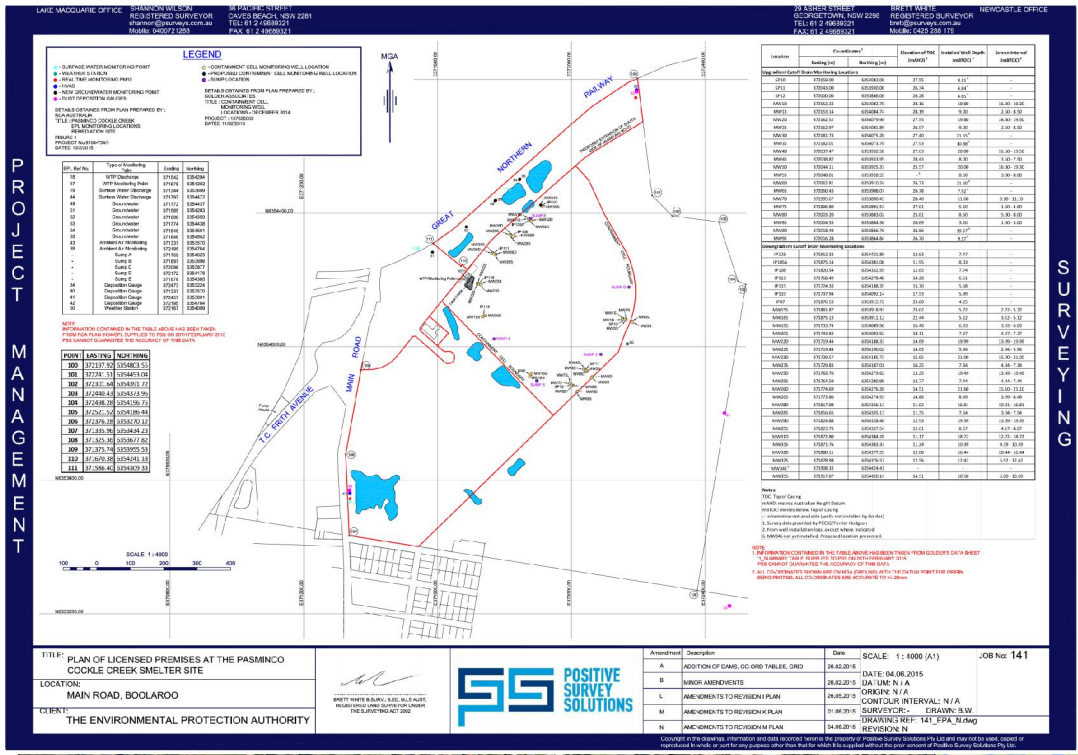
Pollution Incident		
Description of the type of pollution incident	Action to be taken, immediately after pollution incident, to reduce or control any pollution	Procedures to be followed for co-ordinating, with the authorities or persons that have been notified, any action taken in combating the pollution caused by the incident and the persons through whom all communications are to be made
Discharge of contaminated water/stormwater from surface facilities	<ul style="list-style-type: none"> ▪ Identify or confirm nature of discharge, its source, and any risks to people and property ▪ Immediately attempt to cease any discharges from on-site dams to prevent any further downstream contamination ▪ If practicable, isolate the source of the discharge or begin pumping to other available storage locations ▪ Assess weather conditions and any further potential for rainfall ▪ Ensure that any required clean-up activities are ongoing until discharge has been controlled 	<ul style="list-style-type: none"> ▪ Site Manager to co-ordinate response to a pollution incident with authorities and persons who have been notified as appropriate ▪ All communications to be made through the Site Manager

Notification of Pollution Incidents:	
A. Pollution Incidents to be notified to the following authorities immediately PCCS becomes aware of the incident	
EPA – Pollution Line	131 555
Lake Macquarie City Council	02 4921 0333
Ministry of Health	1300 066 055 (for local public health unit)
Safework NSW	13 10 50
Fire and Rescue NSW	1300 729 579 (or 000 if the situation warrants a response from emergency services)
B. Pollution Incidents to be notified to the following as soon as reasonably practicable having regard to nature and extent of incident	
Owners and Occupiers of premises in vicinity of the site	Owners/occupiers of premises in the vicinity of any pollution incident to be notified as appropriate having regard to nature and extent of the relevant incident. Site manager to maintain list of contact details of the owners or occupiers of the premises most likely to be materially adversely affected by pollution incidents identified in this management plan.

Early Warnings and Minimising Harm on Premises

<p>Mechanisms for providing early warnings and updates to the owners/ occupiers of premises in the vicinity of the premises</p>	<p>The pollution incident on or from the Site which is most likely to occur on or from the Site is the discharge of stormwater flows during and following periods of heavy rain. Weather patterns and expected rainfalls to be monitored and considered having regard to surface water storage capacity available on site at the relevant time.</p> <p>Where expected rainfall is likely to result in material offsite discharges, early warning of any such discharges is to be given to those owners/occupiers of premises in the vicinity of the site which are likely to be materially affected by any such discharge. The manner in which any such warning is given (phone calls, letter box drop etc), is to be determined having regard to expected nature and extent of any relevant discharge.</p>
<p>Arrangements for minimising the risk of harm to any persons on premises</p>	<ul style="list-style-type: none"> ▪ Stored water to be processed through the Effluent Treatment Plant and discharged off-site through licensed discharge points ▪ On-site dams to be managed to maximise storage capacity and minimise the risk of overflow ▪ Regular meetings to discuss water management activities at the site ▪ Site supervisor's approval required for the draining of any accumulated water
<p>Description of how any risk of harm to human health will be reduced (including early warnings, updates and action to be taken during or immediately after pollution incident)</p>	<p>Dam storage optimised prior to heavy rain events.</p> <p>Relevant authorities notified in the event of a stormwater overflow.</p> <p>Where expected rainfall is likely to result in material offsite discharges, early warning of any such discharges is to be given to those owners/occupiers of premises in the vicinity of the site which are likely to be materially affected by any such discharge. The manner in which any such warning is given (phone calls, letter box drop etc), is to be determined having regard to expected nature and extent of any relevant discharge.</p>

Maps/plans showing the location of the premises, the surrounding area that is likely to be affected by a pollution incident, the location of potential pollutants and location of any stormwater drains. Note that potential pollutants are stored at WTP located as indicated on RCA plan below.



Testing of the Management Plan

Nature and objectives of any staff training program	Desk top training of management associated with notification and risk minimisation.
Dates on which the plan has been tested and name of the person who carried out the test	20/1/2016 Wayne Woodward
Dates on which the plan is updated	Six monthly review
Manner in which the plan is to be tested and maintained	Desk top surveillance audit.