

Appendix 22. Commitments Register

Table 1 – Mitigation and Management Measures/Commitments

No.	Discipline	Mitigation Measure/Commitment
<i>Environmental Mitigation and Management Measures</i>		
LS01	Land and Soils	Implementation of vegetation clearing approvals process
LS02	Land and Soils	Where possible, Project infrastructure will be located in areas previously disturbed
LS03	Land and Soils	Progressively rehabilitate areas as activities cease
LS04	Land and Soils	Ensure Project vehicles remain on Project roads and tracks as far as reasonably practical
LS06	Land and Soils	Processing additives such as cyanide and lime to be stored in secure undercover reagent storage area
LS07	Land and Soils	All plant, equipment and vehicles to be refuelled within specified refuelling area
LS08	Land and Soils	Develop and maintain a Standard Work Procedure for hydrocarbon and chemical spill response
LS09	Land and Soils	Develop and adhere to the topsoil management procedure
LS10	Land and Soils	Strategic placement of stockpiled soils, i.e., to protect from prevailing wind and drainage lines
LS11	Land and Soils	Minimise the timeframe between area no longer being used for Project requirements and rehabilitation to reduce the likelihood of weeds becoming established
LS12	Land and Soils	Locate soils in areas where soils were previously removed
LS13	Land and Soils	Minimise stockpile height to maximum 3 m
LS14	Land and Soils	Stockpiles to be revegetated with native vegetation to minimise loss of soil quality
LS15	Land and Soils	Stockpiles to be monitored for weeds and control programs implemented as required

No.	Discipline	Mitigation Measure/Commitment
AQ001	Air Quality	Sustainable use of water for suppressing dust on haul roads, topsoil, ore and overburden stockpiles, crushing areas and active mining areas
AQ002	Air Quality	Progressive rehabilitation of the waste rock storage
AQ003	Air Quality	Progressive rehabilitation of production areas as mining and operations cease
AQ004	Air Quality	Implement speed limits to minimise dust creation
AQ005	Air Quality	Use of water spray on screening and crushing
AQ008	Air Quality	Minimise area of clearing as far as practicable
AQ009	Air Quality	Minimise areas exposed to wind erosion
AQ011	Air Quality	Leaching solution to be dosed with lime to maintain a pH of 10, to minimise volatilisation of HCN
AQ013	Air Quality	Shutting off evaporators during wind conditions that place sensitive receptors downwind, based on measured or forecast wind conditions if required
AQ015	Air Quality	Taking an approach of continuous improvement, implemented through ongoing monitoring, reporting GHG emissions and identifying opportunities to reduce emissions
AQ016	Air Quality	Compliance with emissions and energy use reporting obligations, as required under the NGER Scheme
AQ017	Air Quality	Utilisation of best practice technologies in the mining and minerals processing operations to ensure that energy efficiency and associated GHG emissions are optimised
AQ018	Air Quality	Using low energy lighting (e.g., LED lighting systems), where practicable
AQ019	Air Quality	Reduce mining equipment diesel consumption through equipment selection, load optimisation, route optimisation and production scheduling and reduced idle time
AQ020	Air Quality	Maintain and operate equipment based on manufacturer/supplier guidelines and recommendations

No.	Discipline	Mitigation Measure/Commitment
AQ021	Air Quality	Reduce generator diesel consumption through selecting a flexible configuration that allows for electricity output to be adjusted in line with demand
AQ023	Air Quality	Scheduling of production to ensure energy efficient operations of processing equipment
AQ024	Air Quality	Adjusting peak demand through production scheduling to allow for optimal use of electricity
AQ025	Air Quality	Crushing to predominantly occur during the day shift
AQ027	Air Quality	Sustainable use of water for to maintain moisture of tailings within the IWL
AQ028	Air Quality	Sustainable use of water for suppressing dust on crusher hoppers, transfer chutes and drops
NO02	Noise	All reasonable and practicable measures will be taken to reduce noise during construction and any activities that cannot be attenuated sufficiently are to be conducted during standard hours only
NO03	Noise	If complaints are received, monitoring at sensitive receptors (i.e. the Grove Hill Hotel) will be done to ensure noise levels do not exceed the background noise levels by more than 10 dB during standard hours, and no more than 5 dB at all other times
NO04	Noise	All reasonable and practicable measures will be taken to reduce noise during operations and any activities that cannot be attenuated sufficiently are to be conducted during standard hours only
NO05	Noise	If complaints are received, monitoring at the closest sensitive receptor (i.e., the Grove Hill Hotel) will be undertaken to ensure operation noise levels do not exceed 40 dB during the day, 40 dB during the evening and 35 dB at night. Slight exceedances of these values will be acceptable when weather conditions are conducive. Day is between 7 am and 6 pm (Monday to Saturday), 8 am and 6 pm (Sunday and public holidays). Evening is between 6pm and 10pm (all days). Night is between 10 pm and 8 am (if the following day is a Sunday or public holiday), 10 pm and 7 am (all other days)
NO07	Noise	A site based trained blasting professional will design each blast
NO12	Noise	Blasting contractor to ensure ground vibration will not exceed 20 mm/sec at any time at the BGP
NO13	Noise	Blasting activities will be restricted to daylight hours only, all days of the week

No.	Discipline	Mitigation Measure/Commitment
NO14	Noise	If complaints are received, blasting professional will reevaluate blast design and check airblast overpressure levels do not exceed 115 dB (Lin, Peak) for more than 5% of the total number of blasts over a period of 12 months at sensitive receptors (i.e., the Grove Hill Hotel)
NO15	Noise	If complaints are received, blasting professional will reevaluate blast design and check airblast overpressure levels do not exceed 120 dB (Lin, Peak) at any time at sensitive receptors (i.e., the Grove Hill Hotel)
NO16	Noise	If complaints are received, blasting professional will reevaluate blast design and check ground vibrations do not exceed 5 mm/sec (ppv) for more than 5% of the total number of blasts over a period of 12 months at sensitive receptors (i.e. the Grove Hill Hotel)
NO17	Noise	If complaints are received, blasting professional will reevaluate blast design and check ground vibrations do not exceed 10 mm/sec at any time at sensitive receptors (i.e. the Grove Hill Hotel)
HED01	Hydrological Embedded Design	Constructing the core yard and western soil stockpile on raised pads above the 1% AEP peak flood levels with appropriate freeboard or using flood protection structures such as bunds
HED02	Hydrological Embedded Design	Constructing a diversion channel along the western side of the existing waste rock storage to reinstate the natural flow path and divert the natural catchment runoff into the existing Fountain Head Lake. A diversion is also proposed along the northern side of the evaporation pond as the proposed pond extension is located on the existing flow path connecting Fountain Head Lake to the unnamed creek
HED03	Hydrological Embedded Design	Diverting natural catchment runoff from upgradient of the processing area to flow to the unnamed creek
HED04	Hydrological Embedded Design	Installing culverts under the haul road to provide direct drainage from the lake and to reduce the frequency of flooding of the haul road
SWED01	Surface Water Embedded Design	Installing approximately six appropriately sized sediment dams according to the best practice erosion and sediment control guidelines (IECA, 2008) to capture surface runoff from the IWL, processing plant, ROM pad, mining contractor yard and hardstand areas to allow suspended sediment to settle out prior to overflowing to the downslope catchment. Prior to the installation of the sediment dams (i.e., during the construction phase), rainfall runoff will flow through existing drainage lines either into Fountain Head Lake or towards the unnamed tributary creek to the north
SWED02	Surface Water Embedded Design	Diverting natural catchment runoff from upstream of the processing area, diverting the existing drainage line around the north of the evaporation pond (which is located on the existing flow path) and installing a bund around the Fountain Head pit to direct surface water away from operational areas
SWED04	Surface Water Embedded Design	Installing erosion protection, e.g., rock armour around the western soil stockpile, adjacent the haul road at the northern extent of Fountain Head Lake and along the western and northern toes of the evaporation pond to minimise scour from surface water drainage

No.	Discipline	Mitigation Measure/Commitment
SWED05	Surface Water Embedded Design	Installing culverts under the haul road to provide direct drainage from the lake and to reduce the frequency of flooding of the haul road
SWED06	Surface Water Embedded Design	Constructing the core yard and western soil stockpile on raised pads above the 1% AEP peak flood levels with appropriate freeboard or flood protection structures
SWED08	Surface Water Embedded Design	Placing the tailings within a clay-lined cell within the IWL and capturing rainfall runoff that has been in contact with the tailings within one decant well (during operations) for reuse at the process plant
SWED09	Surface Water Embedded Design	Washing of tailings filter cake to remove residual cyanide prior to placement in IWL, and return of wash water to processing plant circuit
SWED10	Surface Water Embedded Design	Capping the tailings with a 0.5-m layer of clay and 1.5-m layer of NAF waste rock to prevent rainfall infiltrating the tailings following closure
SWED11	Surface Water Embedded Design	Constructing a dam designed to contain a 1 in 100 year 72 hour rainfall event to capture runoff from PAF material stockpile (during operations)
SWED12	Surface Water Embedded Design	Installing an under drainage system below the IWL to capture seepage from the clay liner. The water will be collected in two sumps and will be pumped to the process plant
SW01	Surface Water	If deemed appropriate, using hay bales, geotextile silt fencing, or silt socks to contain sediment runoff during construction and closure earthworks and ground disturbance activities
SW02	Surface Water	Rehabilitating disturbed areas as soon as practicable to minimise areas of potentially erodible soil
SW03	Surface Water	Controlling sediment runoff from stockpiles by installing sediment control structures to intercept sediment laden-surface runoff to reduce sediment delivery to watercourses
SW04	Surface Water	Avoiding stockpiling spoil and/or topsoil close to existing and proposed drainage lines, maintaining a minimum distance of approximately 50 m, where practicable
SW05	Surface Water	Undertaking earthworks and ground disturbance activities during the drier months, wherever practicable, when exposed surfaces will be less prone to rainfall erosion
SW06	Surface Water	Conducting further testing to quantify the distribution of PAF materials from the Fountain Head pit
SW07	Surface Water	Validating the assumption that operational blending of non-acid forming (NAF) and potentially acid-forming low capacity (PAF-LC) material will buffer the acid forming potential of PAF-LC and conducting column leach testing to further understand the potential for acidic drainage from PAF-LC material placed in the IWL
SW08	Surface Water	Testing the sulphur content of waste rock and segregating PAF waste rock, using a $\leq 0.2\%$ Total S cutoff for NAF material and returning PAF material to the open pit at completion of mining for permanent submersion

No.	Discipline	Mitigation Measure/Commitment
SW09	Surface Water	Monitoring of surface water quality in the unnamed tributary creek and Margaret River to detect potential contamination and to initiate remedial action
SW10	Surface Water	Implementation of standard international cyanide management codes
SW11	Surface Water	Storing fuels, lubricants and process reagents in covered areas or in bunded and lined areas. Bunding will be implemented in accordance with relevant standards and guidelines including AS 1940 Storage and handling of flammable and combustible liquids and the <i>Australian Dangerous Goods Code</i>
SW12	Surface Water	Collection of oil waste from the washbay at the vehicle maintenance workshop with an oil separator and water underflow reporting to a soakage or storage pit for reuse. Waste oil will be collected and stored in drums in bunded and lined area for removal off site by a licensed contractor
SW13	Surface Water	Refuelling on impermeable hardstand areas with spill prevention and spill containment kits available in close proximity
SW14	Surface Water	Providing spill kits appropriate to the spill risk at the Project site and within vehicles as necessary. All fuel tankers and those tankers transporting hazardous materials shall carry appropriate spill kits
SW15	Surface Water	Inspecting, maintaining and repairing fittings, pipes and hoses regularly
SW16	Surface Water	Training personnel in the handling, transportation and storage of hazardous materials and providing training to an appropriate number of staff in the handling of emergency response and release scenarios
SW17	Surface Water	Clearly labelling vessels with name or description of hazardous material with accompanying material safety data sheets (MSDS) to be stored in close proximity and readily available in case of a spill or leak
SW18	Surface Water	Use of concrete bunds and sumps to collect and return any spills from the CIP plant internally
SW19	Surface Water	Testing permanent storage vessels and enclosures intended for hazardous materials storage for leaks prior to installation and operation
SW20	Surface Water	Routinely inspecting vessels, tanks and secondary containment for leaks. If a leak is identified activate appropriate actions as per the Spill Response Plan (or similar)
SW21	Surface Water	Routine monitoring of water quality in the sediment dams that overflow to the downslope catchment to confirm that runoff from the operational areas is of suitable quality in line with downstream receiving environmental objectives. Where water in the sediment dams does not meet relevant receiving water quality criteria, it will be directed to the evaporation pond or process plant
SW22	Surface Water	Developing and implementing a service and maintenance schedule according to manufacturer's specifications

No.	Discipline	Mitigation Measure/Commitment
GW01	Groundwater	Monitoring of groundwater quality will be undertaken to detect potential contamination and to initiate remedial action
GW02	Groundwater	Locating, constructing and using septic systems according to the <i>Northern Territory Code of Practice for Onsite Wastewater Management</i>
GW03	Groundwater	Regularly pumping solids from the septic tank to prevent blockages
TE001	Terrestrial Ecology	Location of Project infrastructure in previously disturbed areas where practicable
TE003	Terrestrial Ecology	Avoid clearing of mature trees more than 15 cm DBH where practically feasible
TE004	Terrestrial Ecology	Training of environmental staff to recognise: <i>A. praetermissa</i> and <i>S. ensatum</i>
TE005	Terrestrial Ecology	Site walkover prior to clearing by experienced personnel to prevent direct mortality of fauna
TE006	Terrestrial Ecology	Sustainable use of water to control dust emissions in production areas
TE007	Terrestrial Ecology	Implement speed limits in accordance with the Project traffic management plan
TE008	Terrestrial Ecology	Use of water spray on screening and crushing
TE011	Terrestrial Ecology	Progressive rehabilitation of the WRS
TE012	Terrestrial Ecology	Progressively rehabilitate areas as activities cease
TE015	Terrestrial Ecology	Implement minimum lighting requirements required for safe operation
TE016	Terrestrial Ecology	Angle lighting towards the ground where possible to minimise light pollution outside of the proposal area
TE017	Terrestrial Ecology	Vehicles and equipment creating noise to be turned off when not in use

No.	Discipline	Mitigation Measure/Commitment
TE018	Terrestrial Ecology	Noise reduction measures implemented on machinery where available and practically feasible
TE019	Terrestrial Ecology	Operations producing loud noises to be kept to the minimum required for operations to occur
TE020	Terrestrial Ecology	Vehicles and equipment creating vibrations to be turned off when not in use
TE021	Terrestrial Ecology	Operations producing vibrations to be kept to the minimum required for operations to occur
TE022	Terrestrial Ecology	Develop and implement Weed Management Plan, including weed identification guides with photos for common weeds on-site and register for reporting any sightings of weeds or potential weeds
TE023	Terrestrial Ecology	Inspection and wash-down of all vehicles, machinery and equipment that enters the proposal area for weeds, vegetation material and introduced fauna such as cane toads
TE024	Terrestrial Ecology	Inspection and wash-down of all vehicles, machinery and equipment that travel from an area within the proposal area where a weed infestation occurs into an area where it does not
TE026	Terrestrial Ecology	Minimise the time between vegetation being cleared and the area being used for proposal requirements
TE027	Terrestrial Ecology	Implementation of accepted weed control measures where weeds have established in areas previously identified as being weed free. Obtain expert advice from the NT Government Weeds Branch or a qualified ecologist
TE028	Terrestrial Ecology	Regular monitoring and weed control where the density of weeds is increasing
TE030	Terrestrial Ecology	Remove weeds prior to seeding where practically feasible
TE031	Terrestrial Ecology	Rehabilitation of disturbed areas as soon as possible, and is possible, prior to the subsequent wet season, to minimise the likelihood of weeds becoming established
TE032	Terrestrial Ecology	Develop a no tolerance policy to the introduction of weeds by contractors, suppliers and personnel
TE033	Terrestrial Ecology	Regular monitoring of the proposal area to identify any new weed species present on-site
TE034	Terrestrial Ecology	Control of existing and new feral predator populations by licensed personnel

No.	Discipline	Mitigation Measure/Commitment
TE036	Terrestrial Ecology	Implement no tolerance policy for the introduction and feeding of introduced species by contractors, suppliers or personnel
TE038	Terrestrial Ecology	Removal of food waste from site on a regular basis where practically feasible
TE039	Terrestrial Ecology	Perimeter fencing to prevent introduced species and livestock access to the production areas
TE041	Terrestrial Ecology	Prohibit off-road driving from non designated routes
TE042	Terrestrial Ecology	Develop and maintain a fauna register to be kept on-site that includes reporting of vehicle strike
TE045	Terrestrial Ecology	Minimise areas impacted by mining activities
TE047	Terrestrial Ecology	Reporting of <i>A. Praetermissa</i> and <i>S. ensatum</i> to the Department of Environment and Natural Resources (DENR) if found in the Project area
TE048	Terrestrial Ecology	Site walkover prior to clearing to ensure threatened flora are not present
AE01	Aquatic Ecology	Inspection and wash-down of all vehicles, machinery and equipment coming from within the Northern Territory prior to arrival on site, or if washed-down on site, ensure material washed from machinery and equipment is collected and either treated prior to discharge or disposed of appropriately
AE02	Aquatic Ecology	Prohibiting washing of equipment, vehicles or machinery near or within drainage channels and water bodies
AE03	Aquatic Ecology	Limiting work vehicles and machinery to designated access and work site areas.
AE04	Aquatic Ecology	Implementing accepted weed control measures where weeds are established. Obtain expert advice from the NT Government Weeds Branch or a qualified aquatic ecologist
AE05	Aquatic Ecology	Ensuring all vehicles, machinery and equipment brought from interstate or overseas are verified to be weed-free before arrival on site
AE06	Aquatic Ecology	Provide training to relevant personnel in weed prevention and management protocols
<i>Social Mitigation and Management Measures</i>		

No.	Discipline	Mitigation Measure/Commitment
SEM01	Socio-economic	PNX Metals will pay royalties and levies in accordance with legislative requirements
SEM02	Socio-economic	PNX Metals will ensure transparency in reporting surrounding the payment of royalties and levies
SEM03	Socio-economic	Package tenders in a way that suits local businesses, where this is commercially feasible
SEM04	Socio-economic	Raise awareness and manage local business and community expectations surrounding increased business activity through regular communications and engagement on Project activities and upcoming opportunities
SEM05	Socio-economic	Where possible, maximise work opportunities for local community members, including through specifying preference for local service and supply requirements in agreements with contractors
SEM06	Socio-economic	Where possible, maximise work opportunities for local Aboriginal people, including through contractor agreements
SEM07	Socio-economic	Work in partnership with industry and government groups on business growth and work readiness programs
SEM08	Socio-economic	Continue to engage with local communities about the types of employment opportunities available, including timing, recruitment policies and training and development
SEM09	Socio-economic	Engage with local Aboriginal organisations as appropriate to support, enhance and facilitate Aboriginal employment and training opportunities
SEM10	Socio-economic	Enhance employee's skills base through on-job training and development programs
SEM11	Socio-economic	Implement culturally appropriate work practices, including leave, rosters and flexible recruitment
SEM12	Socio-economic	Implement a grievance mechanism to capture community issues and concerns and facilitate timely and appropriate action to address
SEM13	Socio-economic	Continually update and implement the stakeholder engagement plan to support the management of community issues or concerns
SEM15	Socio-economic	Continue to engage with APA to conduct a risk assessment for blasting near the gas pipeline, and negotiate an access agreement for the pipeline corridor
SEM16	Socio-economic	Design blasting operations in accordance with good industry practice, including ensuring that workers are appropriately trained

No.	Discipline	Mitigation Measure/Commitment
SEM17	Socio-economic	Communicate the blasting schedule to local land users (including local traffic) to help maximise awareness and minimise disturbance
SEM18	Socio-economic	Continue to work with AustralAsia Railways to develop a blasting procedure and notification regime that results in no impact to the railway network
SEM19	Socio-economic	Negotiate agreements (under the <i>Mineral Titles Act</i>) with pastoral landowner(s) who are impacted by the Project
SEM20	Socio-economic	Continue to engage with pastoral landowners to identify potential impacts and appropriate management approaches (such as the provision of alternative water sources if required) over the life of the Project
SEM22	Socio-economic	Comply with the <i>Mineral Titles Act</i> regarding any landowner grievances relating to loss of income and compensation
SEM24	Socio-economic	Prepare (and implement as required) an Emergency Response Plan in collaboration with local emergency services
SEM25	Socio-economic	Ensure that workers on site have emergency response capabilities and that there are first aid facilities available on site
SEM26	Socio-economic	Implement the management measures in the Traffic Impact Assessment & Traffic Management Plan to minimise traffic-related accidents
SEM27	Socio-economic	Encourage BIBO workers to access health services in Darwin or their place of origin, where possible
SEM28	Socio-economic	Implement the Mine Closure Plan
SEM29	Socio-economic	Blasting operations will have a zero-ejection policy for fly rock leaving the pit area to avoid any incidents with trains or other site infrastructure
SEM30	Socio-economic	Consult with railway users about the timing of blasting and train passage to avoid coinciding the two activities.
SEM31	Cultural Heritage	Implement a 100m buffer around known places and a 50m buffer around objects that are not to be disturbed, and clearly identify locations
SEM32	Cultural Heritage	Implement cultural heritage awareness training for all site staff, including the locations of known sites, legislative requirements and chance finds procedures
SEM33	Cultural Heritage	Salvage 201910221220 with an appropriate permit under the <i>NT Heritage Act 2011</i> , and with agreement from Traditional Owners regarding ongoing care of the object

No.	Discipline	Mitigation Measure/Commitment
SEM35	Cultural Heritage	If Aboriginal places require salvage, conduct a cultural heritage assessment in consultation with Traditional Owner representatives to determine significance, condition and management
SEM36	Cultural Heritage	Develop a chance finds procedure to manage any unknown objects uncovered during disturbance activities
SEM37	Cultural Heritage	Develop a salvage protocol in consultation with Traditional Owners to manage the salvage of chance finds
SEM38	Cultural Heritage	Notify the DTSC of any chance finds, and record of all new finds in a cultural heritage database. Manage according to SEM36 and SEM37.
SEM39	Cultural Heritage	Cultural heritage surveys will be conducted prior to any change in the proposed Project footprint that may impact on previously unsurveyed areas
SEM40	Cultural Heritage	Where possible, termite mounds 3 meters or greater will not be disturbed
TT01	Traffic and Transport	Develop and implement a traffic management plan and induct all staff, contractors and suppliers in accordance with the plan
TT02	Traffic and Transport	Use mining fleet for construction works, where practicable, to minimise additional vehicle trips required
TT03	Traffic and Transport	Minimise truck movements on the Project transport route during AM and PM peak traffic times
TT04	Traffic and Transport	Transport employees from the Cosmo Village to the Project site using the staff bus, where practicable
TT05	Traffic and Transport	Consult relevant stakeholders regarding any changes in the Project that will affect the public road network
TT06	Traffic and Transport	Consult with the National Heavy Vehicle Regulator as necessary to ensure safe and efficient truck movements
TT07	Traffic and Transport	Display safety signage at appropriate intervals on Stuart Highway approach to the Fountain Head Road and at the Mount Wells Road intersection, in accordance with DIPL requirements
TT009	Traffic and Transport	Obtain all relevant permits for any oversize/overmass vehicles prior to movement of vehicles
TT010	Traffic and Transport	All hazardous substances including explosives and cyanide will be transported to the site via public roads. All substances will be transported using the <i>Australian Dangerous Good Code</i> (Edition 7.4)

No.	Discipline	Mitigation Measure/Commitment
TT011	Traffic and Transport	Prepare a site access procedure for employees to outline and encourage safe and appropriate travel to and from Cosmo Village to the site
TT012	Traffic and Transport	Liaise with DIPL and local road authorities to ensure access to Project roads are to be suitable for the purpose of haulage of equipment and materials for construction
<i>Major Hazard Mitigation and Management Measures</i>		
MH01	Major Hazards	Develop and implement a Bushfire Management Plan and include fire awareness in Project induction
MH02	Major Hazards	Refuelling of machinery and vehicles undertaken on cleared areas away from standing or slashed vegetation where practicable
MH03	Major Hazards	Store and transport flammable materials as per relevant SDS
MH04	Major Hazards	Slash vegetation around the Project area to reduce fire risk
MH05	Major Hazards	Do not undertake vegetation clearing with machinery when fire danger rating is 'Very High' or above
MH10	Major Hazards	Site contamination assessment and clean-up to be conducted at closure
MH11	Major Hazards	Undertake a SMS involving a risk assessment to determine allowable ground vibration limits that will be enforced on the blasting operation to ensure that no disruption is caused to the flow of gas through the BGP. Ground vibration levels to comply with "Standard conditions for works near APA Gas Transmission Pipelines" document. Blasting operations will adhere to the outcome of the SMS
MH14	Major Hazards	Undertake an assessment of the level crossing in accordance with ALCAM (Australian Level Crossing Assessment Model) once the train and road traffic numbers are confirmed to determine if controls are adequate to handle the increase in traffic
MH15	Major Hazards	Implement recommendations of the ALCAM assessment

