



# Activity Approval

Division 5.1 of the Environmental Planning & Assessment Act 1979

Hunter Water, a determining authority under Section 5.1 of the *Environmental Planning and Assessment Act 1979*, approves the activity referred to in Schedule 1 below, subject to the conditions included in Schedules 4 to 7.

Schedule 1		
1	Proposal name	Sewermain and Watermain Upgrade - 653 Hunter Street, Newcastle West
2	Land on which proposal is located	Road reserve of Hunter Street, Newcastle West and Lot 1 DP 1166015
3	Developer works deed no.	2021-873
4	Applicant	Swift Land Co Pty Ltd
5	Accredited design consultant	Wallace Design Group
6	REF consultant	Wallace Design Group
7	REF revision no.	Revision C
8	REF date	18/3/2024 - received by HWC on 18/3/2024

Schedule 2		
1	Approval to operate from	25/03/2024
2	Approval to lapse on	25/03/2026
3	Approval Extension available until (upon application to Hunter Water)	25/03/2027

Schedule 3			
	Name	Role	Date
1	Alison Ford	Environmental Planner	25/03/2024
2	Angie Ho	Design Assurance Engineer	25/03/2024
3	Angus Seberry	Group Manager	25/03/2024
4	N/A	Executive Manager (Executive Manager sign-off required for projects >\$5million)	

## 1.0 Definitions

<b>Activity</b>	The activity as described in the REF in Schedule 1
<b>AHIP</b>	Aboriginal Heritage Impact Permit
<b>Applicant</b>	Person or organisation who seeks to carry out the approved activity
<b>ASS</b>	Acid Sulphate Soils
<b>ASSMP</b>	Acid Sulphate Soils Management Plan
<b>CEMP</b>	Construction Environmental Management Plan
<b>EEC</b>	Endangered Ecological Community
<b>ESCP</b>	Erosion and Sediment Control Plan
<b>Incident</b>	A set of circumstances that causes or threatens to cause material harm to the environment
<b>IMP</b>	Incident Management Plan
<b>Non-compliance</b>	An occurrence, set of circumstances or development that is a breach of this approval but is not an incident
<b>NPW Act</b>	National Parks and Wildlife Act 1974
<b>NRAR</b>	Natural Resources Access Regulator
<b>OOHW</b>	Out of Hours Work
<b>Proposal</b>	The activity assessed in the REF included in Schedule 1.

<b>PVA</b>	Polyvinyl Acetate
<b>REF</b>	Review of Environmental Factors
<b>TMP</b>	Traffic Management Plan
<b>TPZ</b>	Tree Protection Zone
<b>VENM</b>	Virgin Excavated Natural Material

## **2.0 Administrative Conditions**

### **2.1 Obligation to minimise harm to the environment**

The Applicant must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the activity.

### **2.2 Terms of Approval**

1. The Applicant must carry out the activity:
  - (a) generally in accordance with the REF specified in Schedule 1, and
  - (b) in accordance with the approval conditions included in Schedules 4 to 7.
2. In the event of any inconsistency between the conditions of approval and the REF specified in Schedule 1, the conditions of approval shall prevail to the extent of that inconsistency.
3. A copy of the REF included in Schedule 1, together with a copy of the activity approval, must be retained at the proposal site for the duration of works.

## **3.0 Environmental Management and Reporting**

### **3.1 Construction Environmental Management Plan**

Prior to commencing the activity, the Applicant must prepare a Construction Environmental Management Plan (CEMP) for the activity. The CEMP must:

- (a) provide the strategic framework for environmental management of the activity;
- (b) identify the statutory approvals that apply to the activity;
- (c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the activity;
- (d) describe the procedures that would be implemented to:
  - i. keep the local community and relevant agencies informed about the environmental performance of the activity;
  - ii. receive, handle, respond to, and record complaints;
  - iii. resolve any disputes that may arise;
  - iv. respond to any non-compliance;
  - v. respond to emergencies; and
- (e) include:
  - i. references to any documents referenced under the conditions of this approval; and
  - ii. a clear plan depicting all the monitoring to be carried out in relation to the activity.

The Applicant must provide a copy of the CEMP to Hunter Water prior to commencement of construction works and must implement the CEMP for the duration of works.

### **3.2 Induction**

All workers must be inducted on the sensitivities of the work site and the mitigation measures included in Schedules 6 and 7.

### **3.3 Changes to Proposed Activity**

1. The Applicant must advise Hunter Water of any changes to the proposal as described in the REF in Schedule 1, prior to any changes being implemented on site.
2. If required by Hunter Water, the REF must be updated to reflect the revised proposal and submitted to Hunter Water.
3. If required, Hunter Water will issue a revised activity approval, which must be complied with during construction of the revised proposal.

### **3.4 Incident Notification**

Hunter Water must be notified in person (phone) and in writing immediately after the Applicant becomes aware of an environmental incident. The notification must identify the activity (including the location and developer works deed number), and specify the nature of the incident.

### 3.5 Non-Compliance Notification

Hunter Water must be notified in writing within 7 days after the Applicant becomes aware of any non-compliance with the conditions of this approval.

The notification must identify:

- (a) the development and the development works deed number
- (b) set out the condition of approval that the development is non-compliant with
- (c) the way in which it does not comply
- (d) the reasons for the noncompliance (if known)
- (e) what actions have been done, or will be, undertaken to address the noncompliance.

### 3.6 Inspections and Audits

Hunter Water reserves the right to conduct inspections and audits of the activity to assess whether the activity complies with the requirements of this approval. The Applicant must arrange access to the construction site and provide resources for any interviews and site inspections. The Applicant must review any inspection or audit reports provided by Hunter Water, and implement the recommendations to the satisfaction of Hunter Water.

Schedule 4			
Reference	Notification Requirements	Responsibility	Timing
N1	The construction contractor must notify all properties within 100m of the proposal, at least 14 days prior to the commencement of construction works.	Construction contractor	At least 14 days prior to commencement of construction works
N2	The construction contractor must notify properties where access is to be interrupted, at least 48 hours prior to interruption of access.	Construction contractor	At least 48 days prior to interruption of access

Schedule 5			
Reference	Approval Requirements	Responsibility	Timing
A1	A s138 Road Opening Permit must be obtained from Newcastle City Council prior to commencement of construction works. A copy of the s138 Road Opening Permit must be provided to Hunter Water prior to commencement of construction works.	Design consultant / construction contractor	Prior to commencement of construction works
A2	If dewatering is required, a Water Supply Work Approval (WSWA) must be obtained from WaterNSW prior to commencement of construction works. A copy of the WSWA must be provided to Hunter Water prior to commencement of construction works.	Design consultant / construction contractor	Prior to commencement of construction works
A3	If more than 3ML is to be removed during dewatering per year, a water access licence must be obtained from WaterNSW. A copy of the water access licence must be provided to Hunter Water prior to the commencement of dewatering activities.	Design consultant / construction contractor	Prior to commencement of construction works

Schedule 6			
Reference	Project Specific Mitigation Measures	Responsibility	Timing

<b>PS1</b>	The contractor must include an Acid Sulphate Soils Management Plan (ASSMP) in the CEMP to demonstrate how acid sulphate soils (ASS) will be managed. A copy of the ASSMP must be provided to Hunter Water prior to commencement of construction work.	Construction contractor	Prior to commencement of construction works
<b>PS2</b>	All services in the vicinity of the works must be located in the field and noted in the work plans prior to excavation works - "dial 1100 before you dig".	Construction contractor	Prior to ground penetrating works
<b>PS3</b>	All dewatering volumes must be reported monthly to Hunter Water.	Construction contractor	During construction works
<b>PS4</b>	Water from trench/pit de-watering must be pumped and either collected in tanks for appropriate disposal or filtered through geotextile fabric onto filter areas within the development site.	Construction contractor	During construction works
<b>PS5</b>	All vehicles and plant must be turned off when not in use.	Construction contractor	During construction works
<b>PS6</b>	A Traffic Control Plan (TCP) must be prepared and a copy of the TCP provided to Newcastle City Council and Hunter Water.	Construction contractor	Prior to commencement of construction works
<b>PS7</b>	All work must be undertaken in accordance with the TCP.	Construction contractor	During construction works
<b>PS8</b>	Work sites must be restored to as close to their original condition as possible following the completion of works.	Construction contractor	Following the completion of construction works
<b>PS9</b>	All works, including on Lot 1 DP 1166015 must be undertaken in accordance with the requirements of AHIP 5024 dated 16 December 2022 and Variation #1 to this AHIP dated 14 March 2024 included in Appendix	Construction contractor	During construction works
<b>PS10</b>	All work within the road reserve must be undertaken in accordance with the consent issued by Newcastle City Council and dated 5 December 2023.	Construction contractor	During construction works
<b>PS11</b>	Any spoil excavated during construction of the proposal must be stockpiled separately within the development site. The spoil must be tested for contaminants and a waste classification undertaken, prior to disposal of the spoil at a landfill licensed to accept the waste. A copy of waste disposal dockets must be provided to Hunter Water.	Construction contractor	During construction works

<b>Schedule 7</b>			
<b>Reference</b>	<b>General Mitigation Measures</b>	<b>Responsibility</b>	<b>Timing</b>
<b>Type</b>	<b>Topography, Soils and Geography</b>		
<b>TSG1</b>	The CEMP for the works must include an erosion and sediment control plan (ESCP). The ESCP must include, as a minimum, the type and location of erosion and sediment controls.	Construction contractor	Prior to works commencing
<b>TSG2</b>	The contractor must include an Acid Sulphate Soils Management Plan (ASSMP) in the CEMP to demonstrate how acid sulphate soils (ASS) will be managed.	Construction contractor	Prior to works commencing
<b>TSG3</b>	All services in the vicinity of the works must be located in the field and noted in the work plans prior to excavation works - "dial 1100 before you dig".	Construction contractor	Prior to ground penetrating work
<b>TSG4</b>	Erosion and sediment controls must be implemented and maintained consistent with Managing Urban Stormwater: Soils and Construction. Fourth Edition ed. Sydney (NSW) (Landcom, 2004) (the Blue Book). Controls must: <ul style="list-style-type: none"> <li>• be installed prior to disturbance commencing</li> <li>• prevent sediment moving off-site and sediment laden water entering any watercourse, drainage line, or drain inlets</li> <li>• divert clean surface flow around exposed areas and stockpiles</li> <li>• reduce water velocity and capture sediment</li> <li>• minimise the amount of material tracked onto paved surfaces</li> <li>• be cleaned out before 30% capacity of controls is reached.</li> </ul>	Construction contractor	Prior to commencing construction work, during construction work

Reference	General Mitigation Measures	Responsibility	Timing
TSG7	Disturbed areas must be stabilised as soon as practical after completion of works. Erosion and sediment controls must not be removed until suitable ground cover is achieved in accordance with the Blue Book.	Construction contractor	During works
TSG9	Plant and equipment must be thoroughly cleaned down prior to arrival at and departure from the site to avoid introducing contaminants, soil and seeds and to prevent soil tracking onto roads	Construction contractor	During works
TSG10	All excavated material must be reinstated upon completion of the works, where possible. Where not possible, spoil material must be tested and disposed of at a suitably licensed waste facility.	Construction contractor	During works
TSG11	Weather forecasts must be checked prior to commencing works each day and scheduled to avoid heavy rain and flood events.	Construction contractor	During works
TSG12	If during construction activities, contaminated soils or potential acid sulphate soils are uncovered or are suspected to have been uncovered due to odour or discolouration of soils works must cease immediately, the Hunter Water Project Manager contacted and the appropriate management requirements determined.	Construction contractor	During works
<b>Type</b>	<b>Hydrology and Water Quality</b>		
HWQ1	An Incident Management Plan (IMP) must be prepared as part of the Contractor's CEMP and must include a contingency plan and emergency procedures for dealing with the potential spillage of fuel or other environmental incidents that may occur at the work site. The IMP must also contain procedures to deal with the unexpected onset of rainfall during the work period.	Construction contractor	Prior to works commencing
HWQ2	Regular visual monitoring of local water quality must be undertaken to identify potential turbidity from deficient erosion and sediment control measures, potential spills, or other water quality impacts.	Construction contractor	During works
HWQ3	The storage and handling of fuels and chemicals must comply with Australian Standard AS1940. This includes the provision of a 'spill kit' to be kept on site at all times for potential chemical or fuel spills. All staff must be made aware of the location of the spill kit and trained in its use.	Construction contractor	Prior to work commencing, and during works
HWQ4	If more than 3ML of groundwater will need to be dewatered the contractor must obtain a licence from the relevant authority. For all dewatering the volume must be reported monthly to Hunter Water.	Construction contractor	Prior to dewatering >3ML, prior to work commencing if identified in REF
HWQ5	No chemicals, fuels, and/or waste is to be stored or collected for disposal within or adjacent to drainage lines or unsealed surfaces.	Construction contractor	During works
HWQ6	Refuelling, fuel decanting and vehicle maintenance work must take place in a designated area on an impermeable surface.	Construction contractor	During works
HWQ7	Sewage diversion/bypass provisions must only take place if there are guarantees of adequate capacity in the receiving sewer for the flows and sewage surcharges or overflows will not occur.	Construction contractor	During works
HWQ8	Water from trench/pit de-watering must be pumped and either collected in tanks for appropriate disposal or filtered through geotextile fabric onto grass filter areas.	Construction contractor	During works
HWQ11	In the event of a sewage spill from the existing network during construction works, Hunter Water must be notified immediately so management controls can be implemented if required.	Construction contractor	During works
HWQ12	The final ground level of the restored sites must ensure no depressions or areas of concentrated surface flow to avoid channelling, waterlogging and erosion.	Construction contractor	During works
HWQ13	Water from excavations must be prevented from entering areas of native vegetation.	Construction contractor	During works
HWQ14	The area of soil surface disturbed and wetted must be kept to the minimum amount necessary to complete the works.	Construction contractor	During works
HWQ15	Daily checks of vehicles working on the construction works must be conducted to ensure that no oils or fuels are leaking.	Construction contractor	During works
HWQ16	The potential for flooding and appropriate methods for management of flood waters must be incorporated into project inductions, training and pre-start talks including alternative access routes, any exclusion zones and compounds.	Construction contractor	During works
<b>Type</b>	<b>Biodiversity</b>		
B17	Disturbed areas must be stabilised as soon as possible and in a progressive manner as works are completed.	Construction contractor	During works

Reference	General Mitigation Measures	Responsibility	Timing
B18	Excavations not back-filled at the end of the day must be covered prior to nightfall to avoid presenting an obstacle or trap to fauna. If this is not possible, provide a means by which fauna can escape (e.g. branch extending out of trench).	Construction contractor	During works
B19	Check trenches / pits / excavations each morning for trapped fauna.	Construction contractor	During works
B20	If any threatened species are discovered before or during the work that may be at direct risk from the proposed works, stop work immediately and contact Hunter Water.	Construction contractor	During works
B21	Contractors must familiarise themselves with Priority Weeds (as listed in the Draft Hunter Region Strategic Weed Management Plan 2023-27) with potential to occur at the work sites, to ensure they can readily identify such species if present.	Construction contractor	During works
B22	To help to prevent the spread of weeds, contractors must 'arrive clean and leave clean' by ensuring all clothing, hats, footwear, tools, equipment, machinery and vehicles are free of weed seeds, mud, soil and organic matter prior to entering and leaving the work site. Incorporate weed checks into daily pre-start checks to mitigate the risk of weeds being transferred within the construction corridor. Check potential sources of contamination on vehicles and machinery (i.e. check for seeds / weed propagules in tyres, radiator grills, cabin floor mats, machinery attachments, excavator tracks, etc).	Construction contractor	During works
B23	Weed management must be undertaken in accordance with species-specific control measures listed in NSW WeedWise and any applicable Local Control Orders issued under the Biosecurity Act 2015.	Construction contractor	During works
B24	Regular inspections of the disturbance footprint must be undertaken to identify and treat weeds.	Construction contractor	During works
B25	All weeds removed from a site(s) must be transported in a sealed container or bag and disposed at a licenced waste disposal facility.	Construction contractor	During works
B26	If a native animal encountered on-site requires removal, contact the local wildlife care group or the Project Ecologist (if one has been appointed) for advice on how to handle the animal safely or to ascertain whether a representative needs to attend the site to assist.	Construction contractor	During works
B27	Do not approach or attempt to handle snakes or large lizards such as goannas. If relocation of a snake or large lizard is required, section off the area in which the snake / lizard is located and contact a licenced reptile handler. Never deliberately kill a snake or lizard as all native snakes are protected under NSW legislation.	Construction contractor	During works
B29	The natural landform of the site(s) must be restored as closely as possible to the pre-works condition.	Construction contractor	During works
B30	Sites must be restored in a manner consistent with the surrounding area (e.g. turf, native vegetation plantings). The appropriate method of site restoration must be confirmed with Hunter Water and included in the CEMP.	Construction contractor	During works
B31	All temporary erosion and sediment control devices such as silt-stop fencing must be removed from the site at the completion of the works or when the site(s) are restored/stabilised.	Construction contractor	During works
<b>Type</b>	<b>Noise and Vibration</b>		
NV1	Provide at least fourteen (14) days notice to affected receivers prior to starting work unless it is emergency works or it is discussed with the affected receivers face-to-face. Include the following information in notification letters: <ul style="list-style-type: none"> <li>· a description of the works and why they are being undertaken</li> <li>· details of the works that will be noisy</li> <li>· work hours and expected duration</li> <li>· what is being done to minimise the impacts (e.g. respite periods)</li> <li>· 24 hour contact number.</li> </ul>	Construction contractor	14 days prior to work commencing
NV2	Works will be carried out during standard work hours (i.e. 7:00 am to 6:00 pm Monday to Friday and 8:00 am to 1:00 pm Saturday). For any work that is performed outside normal work hours or on Sunday or public holidays, the contractor must complete the Hunter Water OOHW Approval Form and adhere to the OOHW Construction Noise Guideline.	Construction contractor	Prior to work commencing outside of standard work hours
NV3	All vehicles and plant must be turned off when not in use.	Construction contractor	During works
NV4	All stationary and mobile equipment must be fitted with mufflers and in serviceable condition. Generators, if used, must have sound proof enclosures.	Construction contractor	During works

Reference	General Mitigation Measures	Responsibility	Timing
NV5	Personnel must be inducted and trained in noise control measures to reduce impacts on receivers during inductions and toolbox talks.	Construction contractor	During works
NV6	A complaint management procedure must be developed. Community complaints must be allocated to a responsible contractor representative to facilitate investigation, respond to the complainant, review noise mitigation measures and to implement any corrective actions. The details of the complaint must also be circulated to the applicable construction personnel for action, where required.	Construction contractor	During works
NV7	Construction vehicles including trucks must not be allowed to queue on local roads, or if this is required for safety reasons, engines must be switched off.	Construction contractor	During works
NV8	Where possible, all plant must utilise a broad band reverse alarm and the need for reversing manoeuvres must be minimised.	Construction contractor	During works
NV9	Deliveries must be scheduled during standard work hours only.	Construction contractor	During works
<b>Type</b>	<b>Aboriginal and Non Aboriginal Heritage</b>		
H1	All parties involved in the activity must be made aware that it is an offence under Section 86 of the NPW Act to harm or desecrate an Aboriginal object unless that harm or desecration is the subject of an Aboriginal Heritage Impact Permit (AHIP).	Construction contractor	Prior to work commencing
H2	If Non-Aboriginal heritage items are discovered during the course of the project, all work must cease in the area and the Contractor must inform Hunter Water as soon as possible. Hunter Water will determine the preferred management approach and the local council and/or the Department of Planning and Environment will be notified, if required.	Construction contractor	During works
H3	In the event that an Aboriginal object (or objects) is uncovered during the proposed works, ground disturbance works must cease within 20 metres of the object(s) and Hunter Water must be contacted. Hunter Water would advise the Department of Planning and Environment and the relevant Aboriginal parties so that appropriate management strategies can be identified.	Construction contractor	During works
H4	In the unlikely event that human skeletal material is uncovered during the proposed construction works, all works must cease within 20 metres of the skeletal remains. Should the remains be verified as human, the NSW Police and Department of Planning and Environment must be contacted. No works must proceed within the vicinity of the skeletal remains until an appropriate course of action has been determined in consultation with NSW Police, the Department of Planning and Environment and Aboriginal parties (if the remains are identified as Aboriginal).	Construction contractor	During works
<b>Type</b>	<b>Traffic and Access</b>		
TA1	The Contractor must prepare a Traffic Management Plan for works that may impact on roads or traffic. Should work on public roads be required, consultation with the relevant traffic authority(s) must be undertaken.	Construction contractor	Prior to works commencing
TA2	Apply for a permit of licence under Section 138 Roads Act 1993 consent from the relevant road authority(s).	Construction contractor	Prior to works commencing
TA3	Appropriate exclusion barriers, signage and site supervision must be employed at all times to ensure that the work site is controlled and that unauthorised vehicles and pedestrians are excluded from the work area.	Construction contractor	During works
TA4	All traffic control devices must be in accordance with AS 1742.3:2019 "Manual of uniform traffic control devices, Part 3: Traffic control for works on roads".	Construction contractor	During works
TA5	Pedestrian and vehicle access will be maintained to buildings by alternate means, such as ramps, if the proposed works obstruct access to the buildings for an extended period of time. Residents / occupiers to be notified at least fourteen (14) days in advance if obstruction to access is likely to occur.	Construction contractor	14 days prior to works commencing
TA6	Vehicle access routes to and within the site(s) must be defined via 'paraweb' or other clearly visible and robust fencing.	Construction contractor	During works
TA7	Parking of vehicles and storage of plant/equipment must occur in clearly designated existing cleared areas. Vehicles and machinery must not be parked on vegetated areas.	Construction contractor	During works
TA8	Existing traffic movements and property accesses must be maintained during the works, where possible.	Construction contractor	During works
TA9	Movement of heavy vehicles must be restricted to standard work hours (i.e. 7:00 am to 6:00 pm Monday to Friday and 8:00 am to 1:00 pm Saturday).	Construction contractor	During works

Reference	General Mitigation Measures	Responsibility	Timing
TA10	Parking of light vehicles must be on the road verge wherever possible, or located to minimise interference with the vehicle movements of local residents.	Construction contractor	During works
TA11	Residents must be notified of road closures at least fourteen (14) days prior to works commencing unless other timeframes are nominated by a traffic authority(s) approval(s).	Construction contractor	14 days prior to works commencing
<b>Type</b>	<b>Visual Environment</b>		
VE1	Work site(s) must be restored as closely to their original condition as possible at the completion of works.	Contractor	Following completion of works
VE2	On completion of the works, all vehicles, construction equipment, materials, and refuse relating to the works must be removed from the work site(s) and any adjacent affected areas.	Contractor	Following completion of works
VE3	Work areas must be maintained, kept free of rubbish and cleaned up at the end of each working day.	Contractor	During works
VE4	Clear the minimum amount of vegetation necessary and undertake replacement planting in accordance with the REF.	Contractor	During works
<b>Type</b>	<b>Socioeconomic, Landuse and Services</b>		
SLS1	Provide at least fourteen (14) days notice to affected receivers prior to starting work unless it is emergency works or it is discussed with the affected receivers face-to-face. Include the following information in notification letters: <ul style="list-style-type: none"> <li>· a description of the works and why they are being undertaken</li> <li>· details of any works that will be noisy</li> <li>· work hours and expected duration</li> <li>· what is being done to minimise the impacts (e.g. respite periods)</li> <li>· 24 hour contact number.</li> </ul>	Contractor	14 days prior to works commencing
SLS3	All services in the vicinity of the works must be located in the field, and 'pegged-out' and noted on the site plans prior to excavation works - "dial 1100 before you dig".	Contractor	Prior to ground penetrating work
SLS4	A complaints register must be maintained and any complaints investigated within 24 hours of the complaint being received. Hunter Water must be notified of any complaints.	Contractor	During works
SLS5	Where entry to private properties is required, a notice of entry letter must be provided at least 24 hours in advance.	Contractor	During works
SLS6	The contractor must personally contact the occupant when they enter a private property to notify of their presence.	Contractor	During works
SLS7	Any accidental damage to private property that occurs during the works must be immediately reported to Hunter Water and repaired in consultation with the owner.	Contractor	During works
SLS8	Signage containing project information and contact details must be located in a prominent position (such as on site fencing).	Contractor	During works
SLS9	Work sites must be restored to as close to their original condition as possible following the completion of works.	Contractor	Following completion of disturbance works
<b>Type</b>	<b>Energy and Air Quality</b>		
EAQ1	Machinery and vehicles must not be left running or idling when not in use.	Construction contractor	During works
EAQ2	Odour or air pollutant emission complaints must be investigated promptly and the source must be eliminated, wherever practicable.	Construction contractor	During works
EAQ3	Equipment, machinery and vehicles used on site must be maintained to the manufacturer's specifications to minimise emissions.	Construction contractor	During works



Reference	General Mitigation Measures	Responsibility	Timing
EAQ4	Visually monitor dust and where necessary: <ul style="list-style-type: none"> <li>- Apply water (or alternate measures) to exposed surfaces that are generating dust</li> <li>- Appropriately cover loads on trucks transporting material to and from the construction site</li> <li>- Securely fix tailgates of road transport trucks prior to loading and immediately after unloading</li> <li>- Avoid dust generating works during strong winds and</li> <li>- Prevent where possible, or remove, mud and dirt being tracked onto sealed road surfaces.</li> </ul>	Construction contractor	During works
EAQ5	Methods for management of emissions must be incorporated into project inductions, training and prestart talks.	Construction contractor	During works
EAQ6	Traffic movements and vehicle speeds must be restricted over disturbed areas and unsealed roads.	Construction contractor	During works
EAQ7	Long term stockpiles must be stabilised by covering, or by applying soil binders such as polyvinyl acetate (PVA) or latex sprays.	Construction contractor	During works
<b>Type</b>	<b>Waste and Resource Use</b>		
WR1	The Contractor's recycling and reuse methodology must be detailed in the CEMP and must follow the resource management hierarchy principles (in accordance with the Waste Avoidance and Resource Recovery Act 2001): <ul style="list-style-type: none"> <li>- avoid unnecessary resource consumption as a priority</li> <li>- avoidance must be followed by resource recovery (including reuse of materials, reprocessing, recycling and energy recovery)</li> <li>- disposal must be undertaken as a last resort.</li> </ul>	Construction contractor	Prior to works commencing
WR2	Any fill brought to site must conform to the requirements of the Excavated Natural Material Order 2014 or be classified as VENM by a suitably qualified person.	Construction contractor	Prior to fill coming to site
WR3	All excess material (that cannot be reused or recycled) must be disposed of as soon as practicable to a facility licensed to accept the waste as per the waste classification results (tested by a suitably qualified person in accordance with the NSW Waste Classification Guidelines 2014).	Construction contractor	During works
WR4	All waste disposal receipts must be retained and provided to Hunter Water on request.	Construction contractor	During works
WR5	Waste must be segregated and labelled to improve recycling opportunities, avoid cross contamination and reduce disposal costs.	Construction contractor	During works
WR6	Waste receptacles must be covered and located away from drainage lines.	Construction contractor	During works
WR7	All vessels used for contaminated or hazardous waste must be sealed, labelled according to their contents, and stored within bunded areas until their removal from the work site.	Construction contractor	During works
WR8	Any fuel, lubricant or hydraulic fluid spillages must be collected using absorbent material and the contaminated material disposed of at a licensed waste facility.	Construction contractor	During works
<b>Type</b>	<b>Hazard and Risk</b>		
HR2	Advise all workers of emergency contact details and display them in an easily accessible location	Construction contractor	During works
HR3	No hot work is to be undertaken during days of Total Fire Ban.	Construction contractor	During works
<b>Type</b>	<b>Cumulative Impacts</b>		
CI1	Consult and coordinate with proponents of nearby projects to assess and manage cumulative impacts. Revise the CEMP to address these impacts as they become known.	Construction contractor	Ongoing during works