
Arataki Project Construction Environmental Management Plan Requirements (CEMP)

Date: 30 June 2025

Status: Draft - Subject to Contractor Construction Methodology

This document provides and preliminary outline of the content expected within CEMPs required as preconstruction conditions to earthworks or stage of subdivision works with the Arataki Project Fast Track works.

After each contract is awarded for the earthworks and various stages of subdivision construction works, the awarded contractor shall prepare a site specific CEMP.

These CEMPs shall include but not be limited to the following information:

1. Project Description

Details of the Project Description will to be provided for the earthworks construction and each sub-stage of civil construction.

Project Description will be contract and stage specific and include the following details:

- a) Site location
- b) General scope of works
- c) Specific construction elements to be undertaken, ie Earthworks, drainage works, retaining, landscaping, etc.
- d) Project deliverable, ie completed subdivision, Stage number.
- e) Timeframes for key stages of works

2. Project Management

Details of Project Manager(s) to be provided for earthworks construction and each sub-stage of civil construction.

Project Manager(s) will be contract and stage specific. The CEMP shall include the following details:

- a) Site Supervisor – name and contact information
- b) Project Engineer – name and contact information
- c) Project Manager - name and contact information
- d) Project Director - name and contact information

3. Health and Safety Plan

Health and Safety Plans shall be prepared specifically for earthworks construction and each sub-stage of civil construction.

The contractor shall take responsibility for preparing an appropriately detailed Health and Safety Report and implement the Health and Safety Plan for the duration of the works.

The Health and Safety plan shall include but not be limited to the following information:

- a) Site specific health and safety managers and contact details. Identify roles and responsibilities
- b) Site specific health and safety risks
- c) Identification of hazards and risks specific to the project
- d) Risk Assessment and management controls
- e) Procedures for undertaking High Risk Activities
- f) Site layout of Health and Safety inventory on site
- g) Sign in procedures for visitor management
- h) Emergency management response
- i) Health and Wellbeing procedures
- j) Incident Reporting and investigation procedures
- k) Required Personal Protective Equipment (PPE)
- l) Monitoring and review procedures

4. Archaeology Identification Training

Prior to commencement of bulk earthworks, key contractor personnel will undertake a cultural heritage and archaeology induction by a suitably qualified person. The induction shall include:

- a) An overview of the site's archaeological and cultural context;
- b) Guidance on recognising and identifying archaeological features and artefacts;
- c) Instructions on the Accidental Discovery Protocol; and
- d) Contact details and reporting procedures for archaeological finds, including with Māori entity representatives Tamatea Pōkai Whenua.

5. Working Hours

The hours of construction work are to be identified in the plan and are to be in accordance with the approved Resource Consent conditions. The proposed condition in the application is:

All construction works authorised by this consent (excluding works on Brookvale Road) must only take place between 7.00am and 6.00pm, Monday to Saturday, with no works undertaken at any time on Sundays, or on public holidays. Heavy plant must not be operated within 130m of any occupied building before 7.30am.

Construction works on Brookvale Road authorised by this consent must only take place between 8.00am and 5.00pm, Monday to Friday, with no works undertaken at any time on Saturdays, Sundays, or on public holidays.

6. Site Access

Details of Site Access will to be provided for each earthworks construction season and each sub-stage of civil construction.

Site Access will be contract and stage specific and include the following details:

- a) A plan showing the stage of works, including street / road names
- b) Site ingress and egress locations
- c) Site compound and site office locations.
- d) Location of signage and hazard boards.
- e) Extent of security fencing
- f) Location of wash down facilities at egress locations
- g) Location of first aid and health and safety equipment.

7. Construction Noise and Vibration Management Plan

Prior to the earthworks construction and each sub-stage of civil construction, a finalised copy of the Construction Noise and Vibration Management Plan (CNVMP) is to be provided. The finalised CNVMP is to be in accordance with the draft CNVMP prepared by Decibel Limited and dated 9th May 2025 and included in substantive application.

8. Construction Traffic Management Plan

Construction Traffic Management Plan (CTMP) outlines measures to ensure the safe and efficient movement of vehicles, pedestrians, and cyclists in and around the construction site. The plan shall include details around the access to the site to comply with the Code of Practice for Temporary Traffic Management (CoPTTM) and all relevant local and national regulations.

Details of Construction Traffic Management will to be provided for earthworks construction and each sub-stage of civil construction.

Construction traffic will be managed in a way to minimise any distribution to residents and to users on the surrounding road network.

Construction Traffic Management will be contract and stage specific and include the following details:

- a) Provide a parking management plan for construction traffic.
- b) Address the transportation and parking of oversize vehicles (if any).
- c) Provide appropriate loading / working areas to minimise disruption to traffic.
- d) Provide cleaning facilities within the site to thoroughly clean all vehicles prior to exit to prevent mud or other excavated material from being dropped on the road. In the event that material is dropped on the road, resources should be on hand to clean-up as soon as possible.
- e) Provide traffic management plans in compliance with the latest edition of CoPTTM.
- f) Ensure the site access point(s) shall be clearly signposted.
- g) Include measures that are to be adopted to ensure that pedestrian access on the public footpaths in the vicinity of the site is safe during construction works.
- h) Detail how the works will be undertaken to maintain access to properties adjacent to the work site during construction and address the duration time frame for sites with no-vehicle access during the works.
- i) Identify proposed numbers and timing of heavy vehicle movements throughout the day.

10. Environmental Management

Details of Environmental Management shall be provided for earthworks and each stage of subdivision works.

Environment plans prepared within the CEMP shall be in accordance with the requirements of the resource consent conditions.

11. Erosion and Sediment Control Plan

Prior to the commencement of each earthworks construction season and each sub-stage of civil construction on the subject site, finalised Erosion and Sediment Control Plans (ESCP) must be prepared in general accordance with the application documents referenced in condition 1 and in general accordance with the Hawke's Bay Regional Council's Waterway Guidelines Document Erosion & Sediment Control, April 2009 (HBRC E&SC Guidelines), and submitted to the Council. No earthworks activity on the subject site can commence until the Council has confirmed that that the ESCP(s) satisfactorily meet the requirements of HBRC E&SC Guidelines. The plans must contain sufficient details to address the following matters:

- a) Specific erosion and sediment control measures for the earthworks stages (location, dimensions, capacity) including the location of any sediment retention ponds and decanting earth bunds, super silt fences, clean and dirty water diversion bunds and stabilised construction entrances, in general accordance with HBRC E&SC Guidelines;
- b) Supporting calculations and design drawings as necessary;
- c) Details of construction methods;
- d) Details of lining to be used within all sediment retention ponds, including forebays;
- e) Monitoring and maintenance requirements;
- f) Catchment boundaries and contour information as necessary;
- g) Confirmation of any erosion and sediment control measures associated with construction of infrastructure outside the development area;
- h) Details relating to the management of exposed areas (e.g. grassing, mulching); and
- i) Site inspection procedures including timings for regular inspections and specific inspections for rainfall trigger events as detailed in the AMP.

All sediment retention ponds constructed within the Site are to be lined with and HDPE liner to prevent seepage and adverse slope instability, see the Geotechnical Investigation Report (prepared by CMW and appended to the Arataki Project Fast Track application).

12. Chemical Treatment Management Plan

Prior to the commencement of earthworks activity on the subject site, a Chemical Treatment Management Plan (ChTMP) must be prepared in general accordance with HBRC E&SC Guidelines and submitted to the Council. No earthwork activities can commence until confirmation is provided by the Council that the ChTMP, meets the requirements of the HBRC E&SC Guidelines and the measures referred to in that plan for the sediment retention ponds and / or decanting earth bunds have been put in place. The plan must include as a minimum:

- a) Specific design details of the chemical treatment systems based on a rainfall activated methodology for the site's sediment retention ponds, decanting earth bunds or any other approved impoundment devices;
- b) Monitoring, maintenance (including post storm events) and contingency programme (including a record sheet);
- c) Details of optimum dosage (including assumptions);
- d) Results of initial chemical treatment trial;
- e) A spill contingency plan; and
- f) Details of the person or bodies that will hold responsibility for long term operation and maintenance of the chemical treatment system and the organisational structure which will support this system.

13. Dust Management Plan

The Contractor will need to prepare a site specific Dust Management Plan (DMP) for the earthworks and submit this as part of their pre-construction documentation prior to works commencing. This plan will identify appropriate dust mitigation strategies for the site.

The site specific DMP will have an allowance for a dedicated water cart resource, dust fences and daily management strategies to avoid dust nuisance to neighbouring properties.

While the Contractor's Dust Management Plan will ultimately provide the management regime for dust nuisance mitigation, the following measures will be expected as part of an effective dust mitigation strategy for this site. Allowance will be made in the construction contract for implementation of these dust control measures.

- The Contractor shall prepare a site specific DMP;
- The Contractor is to monitor dust emissions daily and implement appropriate measures as necessary;
- The Contractor shall provide sufficient water carts and / or sprinklers that are capable to ensure that the exposed areas of the site are appropriately moistened to avoid dust nuisance towards neighbouring properties. Particular attention shall be given to those sensitive receivers being the residential area on the western side of Arataki Road and the neighbouring residential lots;
- Pumping of detained water within the dry basin, post lining, to water cart(s);
- Routes to the Hastings District Council's water take station and water take approval card (including payment of fees);
- On site traffic management, including specific traffic control measures in areas that are sensitive to dust generation;
- The site is to be watered at the end of each working day when it is considered that a dust nuisance may exist following the close of works for that day. (unless there is sufficient rain or showers, falling or forecasted);
- The site is to be watered if strong winds are forecast, and these coincide with dry ground conditions to avoid dust nuisance towards neighbouring properties;
- Adjoining owners will be informed with a pre-construction communication which will include a 24-hour contact telephone number to call the site Contractor for dust and other complaints;

- The Contractor is to promptly implement additional dust control measures when a complaint is received, and they are to note the complaint, outcomes, and actions;
- A record of dust events and complaints are to be recorded in weekly site meetings;
- Earthworks on site are to be staged to allow for progressive stabilisation. Once areas of works are completed to finished ground, progressive revegetation to pasture is to be undertaken over these areas. Monitoring of this revegetation is to be undertaken to ensure good uptake until stabilisation is achieved;
- A 3m high dust fence can be erected along the boundary of a neighbouring property where an actual dust nuisance has arisen;
- Stockpiles to be stabilised if not in use;
- When loading / unloading trucks, materials are to be dropped from as low a height as practicable;
- Removal of sediment or dust generating materials from the access roads, haul roads, and public roads with a suction sweeper;
- Use of a wheel wash facility that also has capabilities to wash dust from vehicles;
- Dust monitoring procedures; and
- Complaint response procedures.

14. Spill Management Plan

For the earthworks construction and each sub-stage of civil construction, the contractor must prepare a site specific Spill Management Plan (SPMP) and submit this as part of their pre-construction documentation prior to works commencing. This plan is to be prepared by a suitably qualified person and will identify and set out the below:

- a) Procedures for preventing contaminants such as hydrocarbons or chemicals entering any waterbody in the event of a spill;
- b) Emergency containment and clean-up procedures. A list of appropriate spill kit contents to enable the containment and/or absorption of spilt material and a plan showing the location of the spill kits;
- c) A requirement for appropriate signage to identify the location of spill kits and the actions to be taken in the event of a spill;
- d) Actions to remedy or mitigate any adverse effects on the environment or public health and safety arising from discharges or spills of environmentally hazardous substances;
- e) Methods for disposal of environmentally hazardous substances, including storage in any secondary containment device, and any other contaminated materials used in the spill clean-up. The plan must set out how these items will be disposed of in an appropriate and authorised manner; and
- f) A procedure for notifying as soon as practicable Council's Pollution Response Team in the event of any discharge of environmentally hazardous substances that results in, or is likely to result in, contamination of any stormwater system, or land or water.

15. Fauna Management Plan

Prior to the earthworks construction and each sub-stage of civil construction, a finalised copy of the Fauna Management Plan (FMP) is to be provided. The finalised FMP is to be in accordance with the draft FMP prepared by Boffa Miskell Ltd and dated 10th June 2025 and included in substantive application.

16. Bulk Earthworks Plan / Construction Staging Methodology

For the earthworks construction and each sub-stage of civil construction, a site specific construction staging will be necessary to enable the site to be constructed in a methodical, safe and timely manner.

A Construction Staging Methodology Plan shall include the following items:

- Site Establishment;
- Sediment and Erosion Control implementation;
- Spatial staging of works across the site;
- Detailed programme of the construction works tasks including;
 - Earthworks,
 - Geotechnical works,
 - Retaining works,
 - Drainage works,
 - Roading works,
 - Services,
 - Landscaping.
- Stabilisation of the site;
- Removal of Sediment and Erosion Control devices;
- Demobilisation and site presentation; and
- Final walkovers and site certifications.