Erosion and Sediment Control Site Inspection Report

Site Name: Mercury Wind Farm - Vestas.

Submitted by: KPearce_HorizonsRC
Submitted Time: 10/01/2020 11.00AM

horizons
REGIONAL COUNCIL

General Site Information

Site Name: **Mercury Wind Farm - Vestas.**

Consent Holder: **Mighty River Power (Mercury)**

Resource Consent Numbers: **104553 & 104560.**

Date/Time: **16/01/2020 9.30am**

Weather: Fine

Location:

Site Contact Information

Site Contact: Steph Kirk, Anton Viljoen, Nick Denyer, Marty Craill, Simon de Rose, Dathan Proudlove.

Contractor or Consultant: Stephanie Kirk

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Role: Consent Holder

Send Report: Yes

Contractor or Consultant: Anton Vlijoen

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Role: Consent Holder

Send Report: Yes

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Role: Contractor

Send Report: Yes

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Send Report: Yes

Contractor or Consultant: Simon de Rose

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Email: simon@stringfellows.co.nz

Role: Contractor

Send Report: Yes

Consent Monitoring Officer: Kerry Pearce

Construction Zone: Civil Area 1.

Controls

Control Name: Carpark SSF 1

Control: Super Silt Fence

Rating: 1

Observations:

Well-constructed and maintained super silt fence.

Actions:

Nil.

Control Name: Carpark SSF 2

Control: Super Silt Fence

Rating: 1

Observations:

Well-constructed and maintained super silt fence.

Actions:

Nil.

Control Name: Carpark CWD

Control: CWD

Rating: 1

Observations:

Completed and hydroseeded.

Actions:

Nil.

Control Name: Track 21 SSF 1

Control: Super Silt Fence

Rating: 1

Observations:

Well-constructed and maintained super silt fence.

Actions:

Nil.

Control Name: Track 21 SSF 2

Control: Super Silt Fence

Rating: 1

Observations:

Well-constructed and maintained super silt fence. Has been extended to allow for culvert construction and entranceway undercut.

Actions:

Nil.

Control Name: DGT 001

Control: Decanting Grit Trap

Rating: 3

Observations:

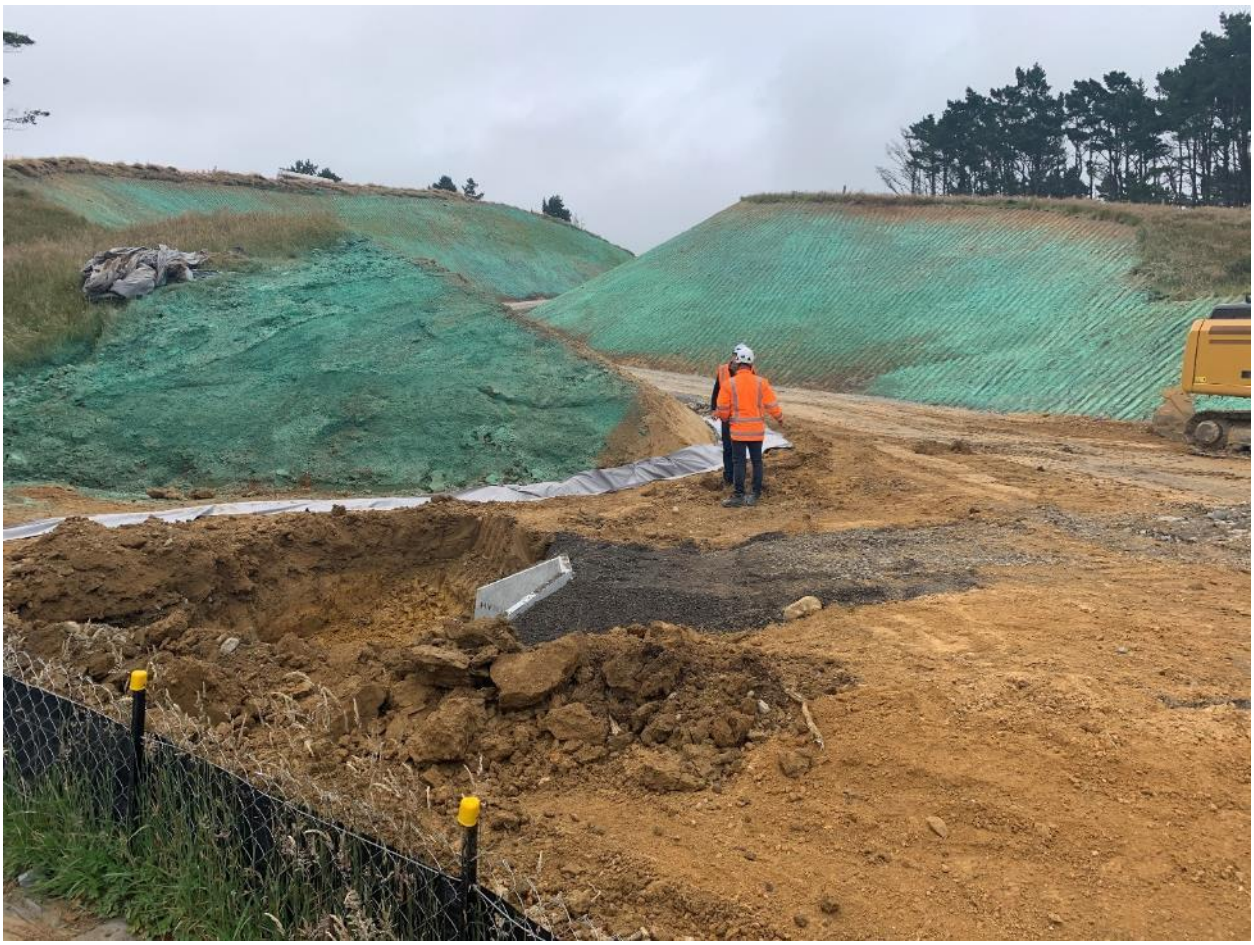
DGT 001 has been removed, without consultation with Horizons and without Horizons approval. Track 21 is now effectively uncontrolled and is not completely stabilized. Several options were discussed on site, however given the catchment is not stabilized the only feasible option is to reinstall controls. Note that a silt fence or super silt fence is not suitable for the concentrated flowpath.

Actions:

Please provide an updated ESCP for this area, showing how Track 21 is going to be controlled until such time as stabilization has been achieved. 20/01/2020.

Photos


CAT
330F



Control Name: Refueling Area SSF

Control: Super Silt Fence

Rating: 1

Observations:

Well-constructed and maintained super silt fence.

Actions:

Nil.

Control Name: Laydown Area SSF

Control: Super Silt Fence

Rating: 1

Observations:

Well-constructed and maintained super silt fence.

Actions:

Nil.

Control Name: Laydown Area DEB

Control: Decanting Earth Bund

Rating: 1

Observations:

Well-constructed and maintained DEB.

Actions:

Nil

Control Name: DGT 005

Control: Decanting Grit Trap

Rating: 3

Observations:

The decanting grit trap has been well constructed, however there is a catchment at the intersection of Track 22 and Track 20 that is currently uncontrolled due to the diversions and silt fencing not being complete.

Actions:

Complete controls as per approved Erosion and Sediment Control Plan. 20/01/2020.

Photo:

Control Name: Track 20 CH800 SSF

Control: Super Silt Fence

Rating: 1

Observations:

Well-constructed and maintained super silt fence.

Actions:

Nil.

Construction Zone: Civil Area 3

Controls

Control Name: DEB 008

Control: Decanting Earth Bund

Rating: 1

Observations:

Well-constructed and maintained DEB.

Actions:

Nil.

Control Name: DGT 009

Control: Decanting Grit Trap

Rating: 2

Observations:

Well-constructed and maintained DGT, however the inlet to the DEB should be stabilized prior to receiving catchment flows.

Actions:

Completely stabilize inlet with geotextile. 20/01/2020.

Photo

Control Name: SRP WT05

Control: Sediment Retention Pond

Rating: 1

Observations:

Well-constructed and maintained SRP.

Actions:

Nil.

Control Name: DEB 010

Control: Decanting Earth Bund

Rating: 1

Observations:

Well-constructed and maintained DEB.

Actions:

Nil

Photo

Control Name: SRP WTG04

Control: Sediment Retention Pond

Rating: 1

Observations:

Well-constructed and maintained SRP.

Actions:

Nil.

Control Name: SRP SD1

Control: Sediment Retention Pond

Rating: 1

Observations:

Well-constructed and maintained SRP.

Actions:

Nil.

Control Name: Batching Plant SRP

Control: Sediment Retention Pond

Rating: 1

Observations:

Well-constructed and maintained SRP.

Actions:

Nil.

General Comments

The general standard of erosion and sediment control construction on site is high, however there are a few items for rectification as outlined earlier in this report. Some of these are minor in nature however are important to ensure erosion and sediment controls are functioning to their full potential.

The main concern from this site visit is the removal of DGT 001 prior to this catchment being stabilized and without consultation with Horizons. The CEMP states *"…a key component of the erosion and sediment control methodology is to ensure that permanent stabilisation is achieved as rapidly as practical. This in turn requires robust sediment control devices to be implemented which will remain in place until the required stabilisation has been achieved…"* , while the SEMP states *"…all SRPs, DEBs, silt fences and super silt fences are to remain until all surfaces within the contributing catchments are stabilised by grass (strike > 80%), aggregate or other appropriate stabilisation measure."* The CEMP also details in section 9.1.4.5 a methodology around final inspections prior to removal of areas that have been stabilised prior to removal of controls, including Horizons involvement.

Works are commencing on construction of controls for Spoil Disposal Area 4, with mucking of the gully complete and SRP construction underway. It is also intended to commence construction of controls for the access roading out to Tower 1 in the next few days.

Construction Zone: PA Works Aokautere - Pahiatua Road.

Controls

Control Name: Track 21 Stabilised Entrance.

Control: Aggregate

Rating: 1

Observations:

Track 21 entrance from Aokautere - Pahiatua Road is well stabilised with aggregate. It sits outside the site boundary and is therefore covered under the PA rules of the One Plan.

Actions:

Nil.

Compliance Assessment

Consent Assessment:

Consent Number: 104553 & 104560 - Schedule 1.

Condition 6 Assessment:

6. *At least 40 working days prior to the commencement of any construction works, the Consent Holder shall submit a detailed CEMP to the Environmental Compliance Manager at each respective Council, for review acting in a technical certification capacity. A response should be provided within 30 working days of receipt. Construction activities must not commence until written certification has been obtained. The CEMP shall be prepared with the assistance of a suitably qualified environmental management specialist, and shall include, but not be limited to, the following:*

Version 11 of the Vestas/Downer CEMP was provided on 28 August 2019 and certified by all three respective Environmental Compliance Managers on 29 August 2019. Initial works commenced on site on 7 October 2019 to install controls. The plan was prepared by suitably qualified specialists and technically assessed by Graeme Ridley to ensure it met the requirements of sub-conditions 6.1 to 6.11.

Compliance Rating: Comply - Full

Condition 8 Assessment:

8. *The Consent Holder shall prepare and submit to the Environmental Compliance Manager, at each respective Council, a SEMP for each of the South Range Road, Water Catchment Access Road, Western Ridge, Browns Flat and Cross Valley Transmission and Out of Reserve (farmland) sub-catchment areas. The breakdown of the site into individual SEMPs may be varied by the Consent Holder as necessary to reflect any change to the design and construction programmes.*

Vestas have been subcontracted by the consent holder to constrict the wind turbine site and roading for the Mercury Windfarm Project. As part of this work Vestas and Downer have prepared the SEMPs for their proportion of the project which relates to the *"South Range Road, Water Catchment Access Road, Western Ridge… sub-catchment areas."* Vestas have broken their catchment areas down into Civil Areas 1 through 5.

Compliance Rating: Comply - Full

Condition 10 Assessment:

10. *Each SEMP shall be submitted to the Environmental Compliance Managers for review, acting in a technical certification capacity, at least 30 working days prior to bulk earthworks commencing in each SEMP area. A response should be provided within 30 working days of receipt. Construction activities must not commence in the relevant SEMP area until written certification has been obtained. The purpose of the SEMP is to indicate how the CEMP will be applied on a site specific basis.*

The following SEMPs have been submitted and approved by Horizons:

- Civil Area 1, received 12 August and approved 12 September 2019.
- Civil Area 2, received 19 September and approved 27 September 2019.
- Civil Area 3, received 18 September and approved 27 September 2019.

Works have commenced on Civil Areas 1 and 3 to date to install erosion and sediment control at per the SEMPs.

The SEMPs for Civil Areas 4 and 5 are still to be provided.

Compliance Rating: Comply – Full.

Condition 13 Assessment:

13. *The Consent Holder shall ensure that:*

    13.1 *All on-site storage areas for fuel and lubricants are bunded or contained in such a manner so as to prevent the discharge of spillages of such contaminants as far as practicable.*

    13.2 *No diesel storage tanks (other than those fitted to mobile plant) are located within the Water Supply Catchment.*

13.3 Diesel storage tanks (other than those fitted to mobile plant) are bunded with the bund sized to accommodate 110% of the diesel storage volume, plus a 1% AEP 24 hour rainfall depth on the bunded area.

13.4 All machinery and plant is regularly maintained in such a manner so as to minimise the potential for leakage of fuels and lubricants.

13.5 The Consent Holder shall not undertake cleaning or routine maintenance of equipment or machinery within the Water Supply Catchment or refuelling within 10 metres of the tributaries of any watercourse on site.

The current fuel storage area is located in Civil Area 1 and has been situated and designed to meet the requirements of conditions 13.1 through 13.5.

Compliance Rating: Comply - Full

Overall Consent Compliance Rating Schedule 1: Comply-Full.

Consent Numbers: 104553 and 104560 - Schedule 2.

Condition 1 Assessment:

1. *The Consent Holder shall provide written notification to the Environmental Compliance Manager at least 5 working days prior to works commencing in each of the sub-catchment areas for which a SEMP has been prepared.*

Notification for the current areas of work (Civil Areas 1, 2 & 3) was provided via email from Michelle Flawn of Downer on 1 October 2019 with works to install controls beginning on 7 October 2019. It is recommended that any work starting on any subsequent areas are notified as per this condition.

Compliance Rating: Comply - Full

Condition 2 Assessment:

2. *All erosion and sediment control measures shall remain the responsibility of the Consent Holder, and be installed, operated and maintained in accordance with the following hierarchy (except as otherwise required by these conditions):*

   2.1 These consent conditions

   2.2 The CEMP;

   2.3 The relevant SEMP; and

   2.4 The Wellington Regional Council's Erosion and Sediment Control Guidelines for the Wellington Region (dated September 2002) (or its subsequent equivalent).

The erosion and sediment control measures utilized on site have been technically assessed through the CEMP and SEMP approval process against best practice and incorporating the requirements of the consent conditions.

This report has noted minor technical issues with some of the devices on site that are in the process of being rectified. While these may not pose a high risk of sediment discharge, they are important to maintain the integrity of devices and ensure efficient operation of the erosion and sediment controls. This report also notes a significant issue with the removal of DGT 001 without stabilization of the catchment and without consultation with Horizons.

Compliance Rating: Low Risk Non Compliance

Condition 4 Assessment:

4. *The Consent Holder shall engage an independent and appropriately qualified person to audit the design of the erosion and sediment control measures against the CEMP and relevant SEMP, and to inspect bulk earthwork activities on an as-required basis to ensure that the sediment and erosion control measures are being constructed and maintained in accordance with the CEMP and relevant SEMP. The Consent Holder shall implement any recommendations made by the auditor that are consistent with these consent conditions. The Consent Holder shall be responsible for the reasonable direct costs associated with this engagement.*

The consent holder has engaged the services of Gregor McLean of Southern Skies Environmental.

Compliance Rating: Comply - Full

Condition 5 Assessment:

5. *Prior to the complete removal of the topsoil layer in areas of either excavation or filling, the erosion and sediment control works for the affected area shall be installed in accordance with the provisions of the relevant SEMP. The Consent Holder shall not remove or decommission any sediment ponds or perimeter controls until the associated sub-catchment area is stabilised to the satisfaction of the Environmental Compliance Manager. Removal and decommissioning of such devices must be in accordance with the relevant SEMP.*

Inspections onsite have shown the consent holder is installing controls in accordance with the relevant SEMPs prior to bulk earthworks. However note comments on removal of DGT 001 above.

Compliance Rating: Low Level Non Compliance

Condition 7 Assessment:

7. *All roads shall have a cut batter (where road is in cut) or constructed bund (where road is in fill) on the outside of the road, including a stabilising drainage channel sufficient to convey flow up to the 1% AEP storm along the road edge without erosion.*

Observations on site have noted there are stabilised diversion bunds installed along the project roading in accordance with the SEMPs.

Compliance Rating: Comply - Full

Condition 8 Assessment:

8. *As soon as reasonably practicable after final road levels are achieved, all roads shall be covered with aggregate basecourse to provide a running surface and avoid surface and scour erosion.*

Initial works to establish haul roads have only just begun in Civil Areas 1 and 3. It is recommended that aggregate is laid in accordance with the site SEMPs.

Compliance Rating: Not Assessed.

Conditions 10, 11, 12 & 13 Assessment:

10. Grit traps shall be installed as follows:

10.1 To intercept runoff from all earthworked areas that comprise the formed roadways and turbine platforms and immediately adjacent catchment areas that drain to the formed roadways and turbine platforms;

10.2 Sufficient grit traps shall be installed such that there is a maximum catchment of 1000m^2 per grit trap;

10.3 Grit traps shall be sized and maintained to provide a treatment volume that is at least 0.5% of the contributing catchment area.

11. A super silt fence shall be installed at all grit trap outfalls. The super silt fence shall have a minimum horizontal length of 10m, plus end returns of a minimum length of 2m. For locations in the base of a gully, where the effective horizontal length of fence that will be able to intercept runoff is limited by the gully side slopes, the 10m horizontal length shall be achieved by two or more shorter fences in series down the gully slope, without returns. A total horizontal length of less than 10m may be used in gully situations where the construction of the additional fence or fences in series would impinge on vegetation other than grazed pasture.

12. Silt fences shall be installed along the toe of all fills, or adjacent to any additional retaining structures constructed at the toe of any fills. Cleared vegetation may be mounded at the toe of fills provided this does not interfere with the functioning of the silt fence or its maintenance.

13. All side drains shall be constructed to provide side-channel drainage which includes erosion protection and grit trap treatment on the outfall.

The SEMPs for this project have been technically assessed against the best practice standards as detailed in GD05 which exceed the requirements set by these conditions.

As discussed above, the controls onsite have been installed in accordance with the SEMPs.

Compliance Rating: Comply - Full

Condition 14 Assessment:

14. *Stream works for culverts shall be undertaken in dry conditions as far as practicable. If flow is present the Consent Holder shall ensure that the construction activities are separated from flowing water by diverting or pumping the full flow of the streams around or through the construction works, prior to disturbance of the stream beds and installation of culverts commencing.*

As shown in the report above a culvert has been installed at the entrance of the site on Track 21. This has been designed to meet the Permitted Activity standards for culverts under the One Plan. This particular culvert was constructed off line which also meets this condition.

Compliance Rating: Comply-Full.

Condition 15 Assessment:

15. *The discharge from any temporary diversion channels shall be controlled so as to prevent scour at the outlet of the channel.*

No scour of diversion outlet channels was observed onsite.

Compliance Rating: Comply - Full

Condition 16 Assessment:

16. *The Consent Holder shall ensure that any fish stranded during construction works are immediately placed in the clearest flowing water adjacent to the stranding site.*

There have been no reports of stranded fish to date. It is recommended if this occurs it is remediated as per this condition and documented via photos.

Compliance Rating: Not Assessed.

Condition 17 Assessment:

17. The installation of culverts shall be undertaken in accordance with the CEMP and relevant SEMP, and in general accordance with the DoC publication "Fish passage at Culverts', December 1999.

Observations onsite show the Track 21 Culvert was installed in accordance with the site SEMPs.

Compliance Rating: Comply – Full

Condition 21 Assessment:

21. Any topsoil stockpile that is intended to remain in situ for more than 4 consecutive weeks shall have perimeter silt fences and be hydroseeded

All onsite stockpiles including topsoil are controlled with super silt fences. Use of these stockpiles is ongoing therefore hydroseeding is not required at this time.

Compliance Rating: Comply - Full

Condition 23 Assessment:

23. All topsoil stockpiles shall be bunded on the uphill side to divert clean water runoff away from the stockpile.

All stockpile areas shown in the site SEMPs have been designed to have clean water diversions. Controls are still being built at present with no stockpiling occurring in the identified stockpile areas.

Compliance Rating: Not Assessed.

Condition 25 Assessment:

25. All spoil disposal sites shall be located to ensure that:

25.1 The uphill boundary is located as close to the ridgeline as possible to reduce upstream catchment size;

25.2 Suitable locations for clean-water cut-off drains can be provided;

25.3 The maximum possible fill volume to surface area ratio is achieved;

25.4 Any indigenous vegetation clearance is minimised;

25.5 They are a minimum of 25m from a permanent watercourse;

25.6 A sediment pond can be located to treat all run-off from the site; and

25.7 There is all weather vehicle (truck and 4x4 utility vehicle) access to sediment ponds for inspection and maintenance purposes.

As discussed the current stockpiles areas are having controls installed. They have been situated to meet this condition and the controls easily accessed for maintenance.

Compliance Rating: Comply - Full

Condition 26 Assessment:

26. All spoil disposal sites shall be designed, constructed and managed in accordance with the following:

26.1 The toe bund shall be structural and constructed of weathered rock;

26.2 The amount of surface area within the spoil site that is exposed at any one time shall be minimised, and limited to a maximum of 3ha per sediment pond;

26.3 Exposed areas shall be stabilised to the greatest extent practicable at the end of each day, and temporarily covered if possible prior to any significant storm event

26.4 A 3% sediment pond (or ponds) (being $3m^3$ volume for every $100m^2$ of catchment) shall be constructed to collect and treat run-off from each site;

26.5 All sediment ponds shall be constructed to provide for retrofitting of flocculation if needed;

26.6 Flocculation shall be provided for each spoil site sediment pond where:

a. The soils to be placed at the site do not settle to at least 80% removal in 30 minutes and at least 95% removal in 24 hours; and

b. Laboratory testing shows that flocculation can result in at least 80% removal in 30 minutes and at least 95% removal in 24 hours;

26.7 Compliance with condition 26.6 is to be established by sampling and testing of representative samples of the soils to be placed, both prior to preparation of the SEMP, and during placement in the spoil area;

26.8 A clean water diversion shall be constructed around each site that is capable of diverting the 1% AEP storm event around the site without erosion;

26.9 Each spoil site shall be stabilised and grassed over or re-vegetated, as soon as practicable after it has been fully utilised, in order to prevent scour and avoid sediment being washed into adjacent watercourses. Stabilisation may be staged, and stabilised areas diverted to a clean water diversion, to maintain a suitably small working catchment area; and

26.10 For any spoil disposal sites within the Kahuterawa catchment, stormwater runoff discharged from the sediment pond or external pond batters shall, in addition to any other treatment measures, pass through at least 10m of rank grass buffer before reaching an ephemeral watercourse.

All spoil sites are shown on each site's respective SEMP which have technically assessed to meet the requirements of GD05. Observations on site show the current spoil sites are being constructed in accordance with the SEMPs.

Compliance Rating: Comply - Full

Condition 67 Assessment:

67. The Consent Holder shall ensure that the construction, operation and maintenance activities are managed in a manner to ensure that there are no dust emissions occurring

beyond the boundary of the site that are objectionable or offensive. Measures for control may include, but are not limited to, the application of water to surfaces that are exposed or excessively dry, and covering an exposed area with a coating of geotextile, grass and/or mulch.

No dust was noted whilst on site.

Compliance Rating: Comply - Full

Condition 68 Assessment:

68. If offensive or objectionable dust emissions do occur beyond the site boundaries, the dust-causing activity shall cease immediately and shall not recommence until appropriate measures have been put in place to prevent recurrence of a similar event.

There has been no reported or witnessed objectionable dust from the site to date.

Compliance Rating: Not applicable.

Condition 69 Assessment:

69. Should objectionable or offensive dust emissions occur, the Consent Holder shall provide a written report to the Environmental Compliance Manager within 5 working days of the Consent Holder being made aware of such emissions. The report shall specify:

69.1 The severity of the event;

69.2 The cause or likely cause of the event and any factors that influenced its severity;

69.3 The nature and timing of any measures implemented by the Consent Holder to avoid, remedy or mitigate any adverse effects; and

69.4 The steps to be taken in future to prevent recurrence of similar events.

There has been no objectionable dust from site to date.

Compliance Rating: Not Applicable.

Overall Consent Compliance Rating Schedule 2: Low Level Non Compliance.

Report Close

As detailed in Horizons *"Compliance Assessment Guideline for Individual Consents"*, shown below, a risk of environmental consequences and/or there is a risk of adverse environmental effects results in a Low Level Non Compliance rating for the consent overall.

The Low Level Non Compliance in this instance relates to conditions 2 and 5 of schedule 2, and specifically, to consents 104553 and 104560, which authorise land disturbance and the discharge of stormwater to land from roads and turbine platforms via treatment devices. These consents in turn require compliance with schedules 1 and 2; accordingly a **Low Level Non Compliance** has been allocated for both these recourse consents in this instance.

Overall Compliance Consent Numbers: 104553 and 104560: Low Level Non Compliance.

Recommendations

To ensure full compliance with these consents in the future the following recommendations are made:

- A decommissioning plan for erosion and sediment control devices is drafted and implemented, that meets the conditions of the CEMP and SEMP in relation to maintenance and decommissioning of devices;
- The SEMP for Track 21 is updated to show controls required now that DGT 001 has been removed.

Consent Monitoring Officer:

Kerry Pearce

17/01/2020 5.00PM

Horizons Regional Council – Erosion & Sediment Control: Guideline to Determining Control Rating

Category/Rating	Construction/Maintenance	Examples (not an exhaustive list)
1	Best practice – no further action required.	
2	Minor technical issue with the control device, where the *purpose* of the guidelines/E&SCP/consent conditions has been met.	- No silt fence support - Minor holes in silt fence - Minor discrepancy live/dead storage - Minor lack of volume in DEB's - No as builts provided
3	Controls absent or construction of the device is so poor that it leads to/is likely to lead to failure as an efficient erosion/sediment control method.	- No returns in silt fence - Short circuiting along outlet pipe of SRP - Internal pond embankment collapse - Discharge at pond outlet causing erosion - Inappropriate pond volumes - Significant discrepancy between live/dead storage volumes - Flow paths or spillways inadequately stabilised - Diversion channels or bunds inadequately sized - Silt fence not trenched in
4	Controls absent or construction of the device is so poor that it leads to failure as an efficient erosion/sediment control method leading to an uncontrolled sediment discharge.	

Table 1. Compliance Assessment Guideline for Individual Consents

Site Compliance Grade	Examples
Comply - Full	Complying with all conditions of consent;
Comply – At Risk	At Risk grading identified against key condition(s) of one or more of consents for the site.
Low Risk Non-Compliance	Compliance with most of the relevant consent conditions. Non-compliance carries a low risk of adverse environmental effects or is technical in nature (e.g. failure to submit a monitoring report).
Moderate Non-Compliance	Non-compliance with one or more of the relevant consent conditions, where there are some environmental consequences and/or there is a moderate risk of adverse environmental effects.
Significant Non-Compliance	Non-compliance with one or more of the relevant consent conditions, where there are significant environmental consequences and/or a high risk of adverse environmental effects.
Not assessed	Monitoring has not been undertaken of this consent during the reporting period.

Table 2. Compliance Assessment Guideline for Individual Conditions

Condition Compliance Grade	Examples (not exhaustive)
Comply - Full	Conditions of consent are fully complied with.
Comply – At Risk	Compliant at time of inspection but management / system deficiencies indicate there is a real risk of a non-compliance occurring (e.g. insufficient effluent storage, poor irrigator performance). Sampling out of sequence or late due to circumstances outside of consent holders control (e.g. flow related sampling).
Low Risk Non-Compliance	One-off failure to comply with a condition of consent (e.g. One off minor exceedance in key parameter in sampling. Intent of condition met however data and / or report provided late. First up failure to provide management plan or environmental information (e.g. water quality information) within required timeframes.
Moderate Non - Compliance	Four minor exceedances of key parameters for one year's worth of sampling / data. Repeat failure to provide a report or monitoring data. Repeat Failure to undertaken sampling. Failure to install water meter. Cow numbers being exceeded for dairy shed effluent consent.
Significant Non-Compliance	Water quality results indicate there is a potential for or an actual effect which is more than minor that is not authorised by the resource consent. Unauthorised discharge of wastewater / effluent into water or onto land where it may enter water, excessive ponding of effluent on the land surface. Repeated failure to provide a report/monitoring data/ management plans/install water metering equipment etc. Repeated failure to undertake sampling. Repeated failure to comply with authorised discharge or water take volumes.
Not Applicable	Applies to conditions that are no longer applicable. Generally relates to historic conditions that may require provision of a management plan, which has been provided and consent requires no further action.
Not Assessed	Monitoring not undertaken of consent condition.