Claystone Waste Ltd

May 13, 2025

BY EMAIL: epa.writtenreports@gov.ab.ca

Alberta Environment and Protected Areas

Re: 7 Day Letter for May 06, 2025 Complaint regarding dust, Reference #DINC0016158

This letter is in response to a dust complaint received by AEPA on the morning of May 6, 2025.

The original complaint is as follows:

> *On May 6, 2025 at 07:00 the caller is being dusted out by 300 trucks this morning that are heading to which Claystone Landfill that is directly blowing from the SE into the callers property affecting his air quality and leaving his property and livestock full of dust, directly affecting his cattle and his horses, his grasslands. Caller advised that his water usage is higher due to the dust from the trucks being stirred up as they drive to the Claystone Landfill. Caller advised that he would like a call back from EPO as this is an ongoing issue that has been previously reported.*

Winds throughout the day May 6, 2025 were strong and from the South or South-southeast. Normal activities at the landfill did not generate noticeable dust and no plume of dust or other particulates has been observed which could have had an off-site impact.

Numerous individuals in the area are actively tilling soil and planting crops. Occasional agricultural-related dust has been seen around the Ryley Landfill during these activities but nothing severe was noted on May 6.

Dust on site gravel roads is actively controlled by several means:

1. Regular (several times daily) pumping and spraying of water from on-site stormwater ponds to dampen gravel roads at the perimeter of the site and gravel or clay pads within the site.
2. Regular (several times daily) pumping and spraying of leachate from landfill sumps on the top surfaces of the landfill to dampen waste and cover materials.
3. Application of calcium chloride to gravel surfaces throughout the site on an annual basis, or more frequently if necessary. Calcium chloride application to the access ramp is scheduled for May 13 via Tiger Calcium (contractor).

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Construction activities on site related to Cell 9 have begun and there is a small amount of heavy equipment working on site from BTO (contractor). This contractor has a water truck circulating around the work areas spraying water for dust control during all working hours. Minimal dust has been observed in this work area despite heavy winds. An example picture from May 6 has been included for reference.

Regarding the claim of '300 trucks this morning' entering the Claystone facility, the daily truck counts of all types for the several days preceding and including the complaint are as follows:

May 1	184
May 2	175
May 3	114
May 4	0 (Closed)
May 5	153
May 6	169

All trucks entering and exiting the Claystone facility take Hwy 854, a paved asphalt surface which does not generate significant dust. Trucks do not exit the facility using any gravel surface county roads.

While traveling on site, trucks take a paved access road through an entry scale, travel up a gravel ramp to the tipping face, and down a gravel ramp back to the scale and paved exit road. On the gravel ramps, the surface is kept moistened by means of water applied by a sprayer head at the rear of an on-site tank truck. The topmost surface of the landfill is kept moistened by recirculating leachate which is pumped from the sumps of various cells. These activities had been conducted as normal for the entire period prior to the recent complaint and none of the equipment required to perform these activities was out of service.

With all of this taken into consideration, Claystone is unable to determine the source or severity of the reported dust but is confident it did not originate within the Claystone facility itself or from any other Claystone-controlled areas.

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Sincerely,

Matt Rawluk, Ph.D.
Chief Operating Officer

Copies: Corey Popick, P.Biol, Chief Executive Officer
Janet Tecklenborg, P.Eng, Director of Facilities

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View of the Ryley Landfill – Cell 9 Construction – facing South from existing landfill slope. Taken May 06, 2025.

PO Box 322, Ryley, AB TOB 4A0
Beaver County, AB

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View of the Ryley Landfill facing Southeast from Hwy 854, wide angle. Taken May 07, 2025.

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View of the Ryley Landfill facing Southeast from Hwy 854, zoomed in. Taken May 07, 2025.

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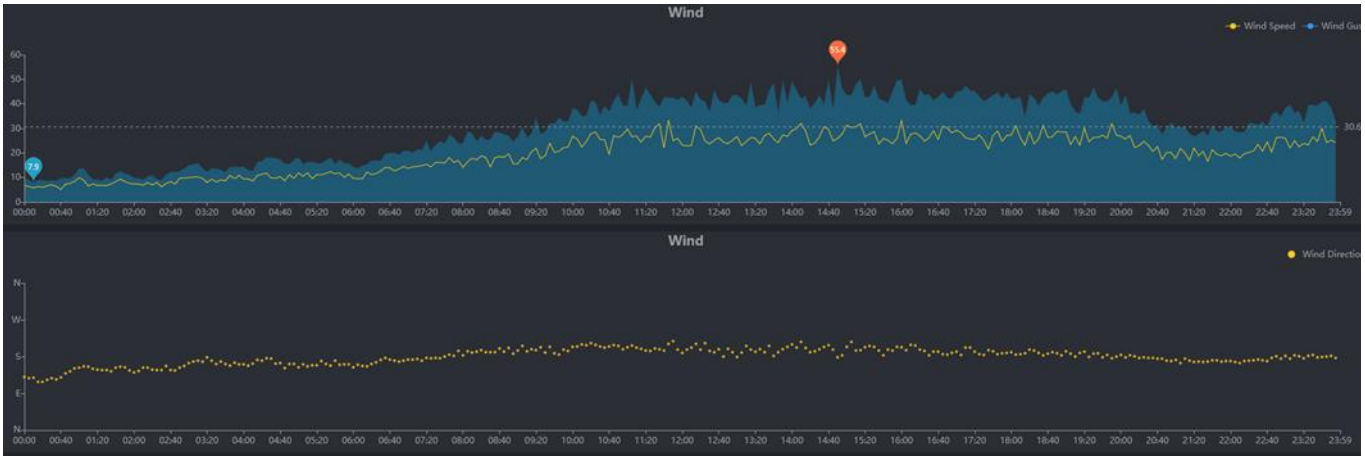
Example of dust control activity at Ryley landfill. Gravel roads on site are sprayed with stormwater and landfill surfaces are sprayed with recirculated leachate. Picture at right shows typical condition throughout the working day. Taken May 07, 2025.



Wind speed and direction from on site monitoring station, May 06, 2025

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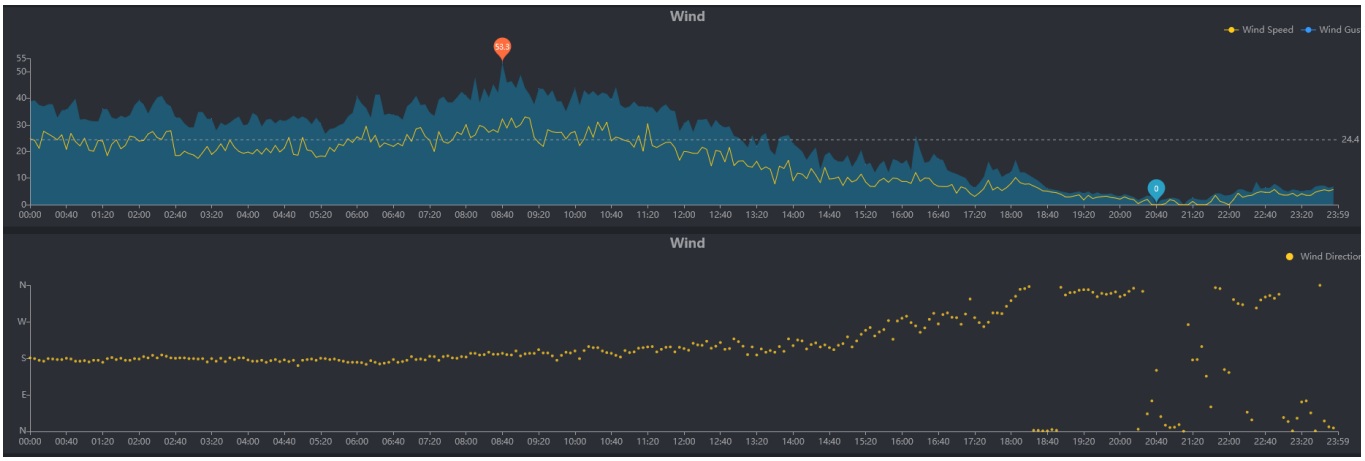

Wind speed and direction from on site monitoring station, May 07, 2025