



December 7, 2021

Chamness Technology, Inc.
Attn: Gary Chamness
2255 Little Wall Lake Road
Blairsburg, IA 50034

RE: Notice of Violation: 567 IAC 105.3(3) & NPDES Permit minimum freeboard requirement
Chamness Technology, Inc., Eddyville, IA, Wapello County
Compost Permit # 90-SDP-10-97P-COM, NPDES Permit No. 9000105

Dear Mr. Chamness:

On November 16, 2021, Iowa DNR Field Office 6 received an anonymous complainant stating that Palestine Creek's water quality was being impacted due to runoff from Chamness's leachate lagoons. On November 17, 2021, I responded to the complaint by checking on the leachate levels of the three lagoons located at 24820 160th Street, Eddyville, IA. In addition, the water quality of Palestine Creek was observed and tested for BOD and Ammonia levels.

This Notice of Violation is being issued due to leachate levels exceeding minimum freeboard requirements for all three lagoons, leachate overflowing the berm in the east lagoon and for leachate seeping out of the derecho pile and pooling at the edge of Palestine Creek. Please also note that your facility remains subject to Administrative Consent Orders 2021-SW-11 and 2021-WW-18.

- ▶ Failure to prevent compost leachate from leaving the facility as required by 567 IAC 105.3(3).
- ▶ Failure to operate the facility in a manner consistent with the facility's NPDES Wastewater Permit for land application of leachate (maintaining a minimum of 2 feet of freeboard in each storage basin at all times).

During this visit, field testing for ammonia showed elevated levels in Palestine Creek, therefore, water samples were collected from 2 locations in and along Palestine Creek. See table below:

Sample date: 11/17/21	Upstream	Downstream
Ammonia	0.050 mg/L	0.52 mg/L
BOD	< 2	< 2

It should be noted that leachate levels must be maintained at or below the minimum freeboard levels of 2 feet in all three lagoons, as is specified in NPDES Permit No. 9000105.

Chamness NOV Letter
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If you have any questions please contact me in this office at 515-201-2314 or at anthony.kerker@dnr.iowa.gov.

Sincerely,
FIELD SERVICES & COMPLIANCE BUREAU

Anthony Kerker
Digitally signed by Anthony
Kerker
Date: 2021.12.07 09:53:13 -06'00'

Anthony Kerker
Field Office 6 Environmental Specialist

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xc: Becky Jolly, IDNR Solid Waste Section, via email
Dave Scott, IDNR Legal Services Bureau, via email
FO6 - Chamness SDP File