



September 3, 2024

FID 445014350
Outagamie County
SW / Correspondence

John Neumeier – Director of Public Works and City Engineer
City of Kaukauna
201 West Second Street
Kaukauna, Wisconsin 54130

Subject: Notice of Noncompliance (NON) for June 27, 2024, Inspection at the Closed CE Land Landfill, City of Kaukauna, Outagamie County, License No. 0073

Dear Mr. Neumeier:

Enclosed is a copy of the inspection report that was completed for the closed CE Land landfill (lic. #73) during the Department of Natural Resources (department's) inspection conducted on June 27, 2024. The inspection indicated that, at the time the inspection, CE Land, LLC and the City of Kaukauna (City) are not in full compliance with the requirements of chs. NR 506 and 507, Wisconsin Administrative Code (Wis. Adm. Code). Identified below are the areas of noncompliance that were identified and actions that should be taken to resolve the areas of noncompliance.

Alleged Areas of Noncompliance

1. **Section NR 507.13, Wis. Adm. Code, requires a facility owner to repair or replace wells that are damaged, provide a conduit to the subsurface or otherwise fails to function properly, within 60 days after it is discovered.**
 - a. The following devices are required to be monitored annually per the department's June 10, 2004, approval and have not been monitored for several years:
 - i. Groundwater monitoring well B-12 is reported broken.
 - ii. Groundwater monitoring well nest B-5 (groundwater monitoring wells B-5, B-5A, and B-5B) are reported as lost.
 - iii. Groundwater monitoring well B-1S is damaged and cannot be sampled due to a pinch in the well casing and low water level.

Items noted are continued areas of noncompliance from the department's June 10, 2022, notice of noncompliance letter. The department received a letter dated October 27, 2022, and an email from Robert E. Lee (REL) on July 19, 2024, providing status updates and a summary of repairs to these wells in response to the June 10, 2022, noncompliance letter. It is the department's understanding that the City prefers not to proceed with new well installation or plan modification to potentially eliminate wells due to funding. Before, proceeding, the City would like to explore the City's financial responsibility for these items and availability of additional funding assistance. By **October 3, 2024**, submit a written plan outlining a timeline for the

- abandonment and replacement of the monitoring devices or contact the department to schedule a meeting to discuss alternative actions.
- b. Gas probe GP-5 was observed to not be lockable due to the hinges on the protective cover rusting through. The lockable cover to gas probe GP-5 needs to either be repaired or replaced, in accordance with s. NR 507.13, Wis. Adm. Code. Provide the department photo documentation of the repair or request an alternative timeline for repairs by **October 3, 2024**.
 - c. Two passive gas vents along the Southern Passive Vent (SPV) trench require repair, including SPV-5 which was observed to be broken and uncovered at the ground surface and SPV-3 that was observed to be broken and unstable/wobbly. Provide the department photo documentation of the repairs or plan outlining a timeline for the repairs to the department by **October 3, 2024**.
- 2. Sections NR 506.08(3)(a) and (d), and 506.08(4), Wis. Adm. Code, requires vegetation establishment to prevent erosion and grading of the final cover to allow for positive storm water drainage.**
- a. During the inspection the department observed multiple areas of ponding water located in the northwest portion of the landfill. The ponding water areas need to be graded to allow for positive storm water runoff off the final cover. Due to the extent of the bare spots, the department recommended a topographic survey to ensure that the grading work will not redirect the storm water to other low areas of the final cover. Please provide a response to the department in writing by **October 3, 2024** for next steps to correct the ponding water areas.
 - b. Four bare spots located on the sideslopes of the landfill adjacent to the northernmost Coffee Hill condominiums were observed during the inspection. The bare spots need to be stabilized to prevent erosion of cover soils. Please provide photo documentation of the repairs completed or a response to the department in writing by **October 3, 2024** for next steps to correct the bare spots located near the Coffee Hills condominiums.
 - c. During the inspection, woody vegetation was observed growing on the eastern side/sideslope of the landfill, along the public access trail. The department could not determine if the woody vegetation was on the final cover. If on the final cover, the woody vegetation needs to be removed to prevent damage to the landfill cover. Please evaluate if the woody vegetation is on the final cover and provide documentation of the evaluation to the department in writing by **October 3, 2024**. If determined to be on the landfill cover, please include next steps to remove woody vegetation on the east side of the landfill.

Areas of Concern

1. Section NR 506.07(4), Wis. Adm. Code, requires effective means be utilized to prevent the migration of explosive gases generated by the waste fill area.

Three areas were identified during the inspection to have potential to impede current and/or require landfill gas migration measures:

- a. During the inspection, the department observed two areas of potential gas stress related to noncompliance item numbers 2a and 2b, discussed above.
 - i. An area of ponding water located in the northwest portion of the landfill, adjacent to the mowed trail on the south side, was observed bubbling. At the time of the inspection, the department discussed adding additional clean fill to the area to prevent the gas from migrating through the final cover.

The department additionally recommends that due to the current use of the landfill as a public park, measures should be taken to ensure that the bubbling water, and all areas specifically used for public recreation, are not emitting landfill gas at concentrations that may cause negative affects to citizens utilizing the park (i.e., explosion hazard from open flames/grilling activities).

- ii. The cause of the bare spots located on the sideslope of the landfill adjacent to the northernmost Coffee Hills condominiums needs to be determined. If topsoiling and seeding the bare spots does not result in vegetation establishment, additional measures will be needed to determine the cause of the stressed vegetation and measures needed to vegetate the bare spots. The department recommends performing a surface emission scan for landfill gases to determine if the bare spots are caused by gas stress.
 - b. The department observed areas of ponding water on or in close proximity to the North Passive Vent (NPV) trench. The areas of ponding water are recommended to be graded to promote storm water drainage away from the NPV to ensure the trench continues to function as intended.
 - c. The department observed woody vegetation is on or in close proximity to the NPV trench and 20th Street vent. The woody vegetation is recommended to be removed to prevent damage from the tree roots to the passive gas vent trenches to ensure the trenches continue to function as designed.
2. **Section 506.07(5)(b), Wis. Adm. Code, requires all liquid that comes in contact with waste be handled as leachate.**

During the inspection, a bare spot located east of the northern most Coffee Hill condominiums contained rust colored staining on the soil surface that has the potential to be caused by a leachate release or gas stress. The department recommended adding clean fill to the area and vegetating as an initial step to remediating the area. If additional fill does not prevent future seeps or new seeps form, additional actions may be needed to remediate leachate/gas releases.

Notice Required by s. 893.80, Wisconsin Statutes:

This notice of noncompliance constitutes a Notice of Claim and fulfills the requirements of s. 893.80, Wis. Stat.

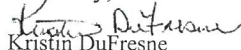
You should know that the department may refer violations of Wisconsin's minimum standards for solid waste facilities to the Department of Justice to seek court ordered compliance and penalties of up to \$5,000 per violation, per day and remedies under ss. 289.96 and 289.97, Wis. Stats. Failure to respond within **October 3, 2024** may result in escalated enforcement actions.

Please submit a written response to the department describing steps you have taken to return to compliance. Include supporting documentation as appropriate. Please understand you are in noncompliance and will remain in noncompliance until you fulfill all requirements of chs. NR 506 and 507, Wis. Adm. Code.

If we can assist you in meeting these standards, please feel free to contact Tess Brester at 920-419-9219 or Tess.Brester@wisconsin.gov or Jackie Marciulionis at 608-814-1373 or Jacqueline.Marciulionis@wisconsin.gov. Please note that chapters NR 500 to 538, Wisconsin Administrative Code, are available on the department's website at <http://dnr.wi.gov/topic/Waste/Laws.html>.

Thank you for your cooperation.

Sincerely,



Kristin DuFresne
Waste and Materials Management Supervisor
Northeast Region

Attachment – June 27, 2024, Inspection Report

cc: John Neumeier, City of Kaukauna (via email: neumeier@kaukauna-wi.org)
Cody Applekamp, Robert E. Lee (via email: capplekamp@releeinc.com)
Tess Brester – DNR/WA (e-copy)
Jackie Marciulionis – DNR/WA (e-copy)
Emily Storm – DNR/WA (e-copy)

**COMPLIANCE MONITORING
 AND EVALUATION FORM
 CASE PACKAGE**

A. GENERAL INFORMATION

FIST SEQ #: 77262

Facility Name (current) CE LAND LLC		FID # 445014350	EPA ID #	Case # 77262	Complaint #
Street/Location 512 EAST ANN STREET		Notification Status LANDFILL 50,000-500,000 CU YD			
City KAUKAUNA	Zip Code 54130-	County OUTAGAMIE	Type of Contact FIELD	Contact Date/Time 06/27/2024 00:00	
Contact Name/Phone Number JOHN NEUMEIER- CITY OF KAUKAUNA (920) 766-6305		Staff Assigned to Site BRESTER, TESS		Case Close Out Date	

B. FACILITY INSPECTED AS

Inspection Type
 LANDFILL 50,000-500,000 CU YD

C. NOTIFICATION CHANGE

Date processed SHWIMS _____, EPA Data System _____

Status Change: Field Verified Status Is _____

Name Change: Former Name _____

D. ACTIVITY TYPES

Lic/RU/RA	Staff Person	Lead Program	Activity Type
73	STORM, EMILY	SOLID WASTE	ASSIST LEAD STAFF
73	MARCIULIONIS, JACKIE	SOLID WASTE	ASSIST LEAD STAFF
73	DUFRESNE, KRISTEN	SOLID WASTE	ASSIST LEAD STAFF
73	BRESTER, TESS	SOLID WASTE	COMPLIANCE CLOSED LANDFILL
73	SWANEY, JASON	ENFORCEMENT	

E. ACTIONS AND VIOLATIONS

Action Date	Action Type	Close Date	SNC	Comments
	NON			

Viol. Type	Action Type	Violation Discovery Date	Action Date	Response Due Date	Actual Compliance Date	Viol. Status Code	Code or Statute Citation	Code or Statute Description
	NON	06/27/2024				X	506.08(3)(a)	Solid waste disposal area is covered
	NON	06/27/2024				X	506.08(3)(d)	Covered with a minimum of 6 inches of topsoil
	NON	06/27/2024				X	506.08(4)	Vegetation established to minimize erosion
	NON	06/27/2024				X	507.04(3)	Monitoring and sampling devices protected
	NON	06/27/2024				X	141.25(1)(b)	Monitoring well properly abandoned
	NON	06/27/2024				X	507.13	Monitoring device abandoned and replaced

F. CASE CONTACTS

G. COMMENTS

Routine closed landfill inspection.

Region Signature(s) 	BRESTER, TESS	Date Signed 8/7/2024	d_report_main_case_cme_package_ff Page 1 of 14
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Tess Brester, Emily Storm, Jackie Marciulionis, Kristin DuFresne and Jason Swaney (Department of Natural Resources [DNR]) met with Cody Applekamp (Robert E. Lee [REL]) and John Neumeier (City of Kakauna [City]) at the CE Land Landfill at approximately 1 PM on June 27, 2024 to conduct a routine closed landfill inspection. Only the portion of the landfill north of County Trunk Highway (CTH) CE were inspected. Prior to the inspection, the City obtained permissions from all parties with waste and/or monitoring devices associated with the landfill on their properties. The City obtained access for the King's Plat, LLC (King's Plat), Lauer, and Lehrer properties. Property owners were not present during the inspection. The City was unable to obtain access to the VanToll property; therefore, the VanToll property was observed from areas where permissions were granted.

The group started the inspection adjacent to the northwestern side of the landfill on property owned by King's Plat and proceeded east across the [now subdivide into 14 parcels per Outagamie County GIS viewer] King's Plat parcels. The DNR observed ponding water in multiple locations on/immediately near the passive gas vent trench located on the southern King's Plat parcels, also referred to as the North Passive Vent (NPV) trench. The areas of ponding water on/immediately near the passive gas vent trench should be graded to minimize surface water from entering the passive gas vent trench and allowing the passive gas vent trench to function as intended. The DNR additionally observed woody vegetation established or planted on/near the NPV trench and the passive gas vent trench located on the northern King's Plat parcels (aka 20th Street trench) in multiple locations. The DNR recommends the woody vegetation is removed to prevent damage to the passive gas vent trench from the root systems.

The group walked south along the public trail along the eastern side of the landfill. The DNR observed additional woody vegetation established on the eastern sideslope of the landfill/park area, but was unable to determine if the woody vegetation is within the landfill limits. If the woody vegetation is in the limits of waste, the woody vegetation needs to be removed to prevent damage to the landfill final cover.

The group proceeded to walk east over the cover on the southern portion of the landfill and then north along the western boundary between the landfill and the Coffee Hill condominiums. The DNR observed the passive gas vent trench on the southwestern side of the landfill, referred to as the South Passive Vent (SPV) trench. Passive gas vent SPV-3 appeared to be broken and is unstable/wobbly. The passive gas vent needs to be repaired to ensure the vent is functioning as intended. The DNR additionally observed a pipe penetration located near the ground surface between passive gas vents SPV-5 and SPV-6. The pipe penetration was covered with mesh material that was beginning to corrode. The group was unable to determine the purpose of the pipe penetration (i.e., former passive gas vent or other feature associated with the passive gas vent trench). The DNR asked the City to look into previous plans to identify the purpose of the pipe penetration and determine if it needs to be repaired to function as intended or be properly abandoned.

The DNR observed 5 bare spots on the sideslopes of the landfill adjacent to the northernmost Coffee Hills condominiums both north and east of the condominiums. One bare spot was observed east of the condominiums and four of the bare spots were located north of the condominiums. The bare spot located east of the condominium is in the general location of a previous seep. The approximate 3-foot in diameter bare spot appeared to have rust colored staining on the soil that could indicate leachate/gas stress. The DNR discussed adding additional clean fill to the area and revegetating the bare spot to prevent future leachate/gas releases from the area. The four bare spots north of the condominium ranged in size from 1 foot by 2 feet to 4 feet by 2 feet. The DNR was unable to determine if the bare spots are caused by leachate/gas stress or by other factors such as mowing practices. The DNR discussed adding additional topsoil and reseeding to determine if the areas will vegetate. If the areas will not revegetate with additional topsoil/seed, the DNR indicated additional measures will be needed to investigate if the area is impacted by gas migration.

The group proceeded to cut across the landfill cover north to inspect the remaining passive gas vents associated with the NPV trench. While walking the cover on the northwestern portion of the landfill, the DNR observed at least six areas of ponding water. One area of ponding water, approximately 2 feet in diameter, located adjacent to the mowed path on the south side, was observed bubbling and appeared to be impacted by landfill gas. The DNR recommended the City regrade the landfill cover to prevent ponding and subsequently conduct a topographic survey to ensure the overall topography of the landfill is graded to prevent ponding water in other areas. The group discussed that due to the height of the vegetation, a topographic survey would not be accurate at this time and would need to be done when the vegetation is shorter.

The DNR observed gas probes (GP) 5, 6, 7, 8, 9, 10, and 15; passive gas vents (Vent) 1, 2, and 3 associated with the 20th Street trench; northern passive gas vent (NPV) 1, 5, 6, and 8; southern passive gas vents (SPV) 1, 2, 3, 4, 5, 6, and 7; groundwater monitoring wells B-1S, B-8, B-8A, B-8B, B-9, B-9A, B-9B, B-10R, and MW-11RR; and leachate collection features including the 20th Street Manhole, Verhagen manhole, South Passive Vent Manhole, and Cell 5-1 Manhole. Monitoring devices were observed labeled. Gas probe GP-5 needs a new cover as the hinges to the current cover have rusted through not allowing the gas probe to properly lock. Groundwater monitoring well B-12 has been capped and subsequently covered with soil, but has not been properly abandoned or replaced. Chapter NR 141 requires groundwater monitoring wells that are no longer in use to be properly abandoned within 60 days after its use has been discontinued. The DNR recommended the City place mesh material over the passive gas vent outlets to prevent insects from nesting in the passive gas vents.

CLOSED LANDFILL INSPECTION FORM

Section 1: General Facility Requirements

<p>A. Gate provided at the entrance and kept locked when authorized personnel not on site. The northern portion of the landfill is open to public access or privately owned.?</p>	<p>NA</p>	<p>506.07(1)(j)</p>
<p>B. Entrance area clean and no solid waste indiscriminately dumped (e.g., operating an unlicensed storage or disposal facility).</p>	<p>C</p>	<p>289.31(1)</p>
<p>C. Sign posted at the entrance to the facility indicating that the landfill is closed, and includes the landfill name, license number, penalty for unauthorized use and any other pertinent information unless the approved final use does not require signage.</p>	<p>NI</p>	<p>506.08(1)(b)</p>
<p>D. Access to the landfill restricted by use of gates, fencing, or other appropriate means unless approved final use allowing access (e.g. baseball playfields, soccer fields, dog runs, etc.) does not require these restrictions.</p>	<p>C</p>	<p>506.08(2)</p>

Section 2: Sediment and Erosion Control

<p>A. Runoff channels are protected to prevent scour and erosion that generates sediment.</p>	<p>NA</p>	<p>506.07(2)(a)(5)</p>
<p>B. Storm water drainage ditches, structures and sedimentation basins cleaned and maintained.</p>	<p>NA</p>	<p>506.07(2)(b)</p>
<p>C. The entire solid waste disposal area is covered with compacted earth and final grades are adequately sloped to allow storm water runoff. (e.g. no depressions with ponded water or wetland vegetation on the disposal area). See comment for Section 3A.</p>	<p>X</p>	<p>506.08(3)(a) Photo(s): Y</p>
<p>D. Storm water run-on diverted around all areas used for solid waste disposal to limit erosion of the cover soils and infiltration.</p>	<p>C</p>	<p>506.08(3)(b)</p>
<p>E. The finished surface of the disposal area is covered with a minimum of 6 inches of topsoil. See comment for Section 3A.</p>	<p>X</p>	<p>506.08(3)(d)</p>
<p>F. Vegetation established to minimize erosion (e.g. no bare spots or woody vegetation). See comment for Section 3A. Woody vegetation was observed growing on the eastern sideslope of the landfill. Woody vegetation needs to be removed to prevent damage to the landfill final cover.</p>	<p>X</p>	<p>506.08(4) Photo(s): Y</p>

Section 3: Gas Control

<p>A. Effective means being utilized to prevent migration of explosive gases generated by the waste fill (e.g. no noticeable gas odors or indication of stressed vegetation, and gas control system operating, if applicable). 1) Four bare spots were observed on the sideslopes of the landfill adjacent to the northernmost Coffee Hill condominiums. It is undetermined if the bare spots are due to gas stress or are from other activities such as lawn mowing. The DNR discussed topsoiling and seeding the bare spots to see if vegetation will establish. 2) Ponding water located in the northwest portion of the landfill, adjacent to the mowed trail on the south side, contained bubbling which is likely caused by landfill gas. The DNR and City discussed grading the area to prevent the ponding water. Additional fill placement may prevent gas from bubbling.</p>	<p>CA</p>	<p>506.07(4) Photo(s): Y</p>
<p>Depending on the ability for the bare spots to vegetate, additional measures may be needed to ensure that gas is not migrating towards Coffee Hill and other areas of the landfill that are accessible to the public.</p>		

Section 4: Leachate Collection System

<p>A. Any liquid that comes in contact with waste being handled as leachate and properly managed (e.g. no leachate seeps or discolored surface water/soil). A bare spot located east of the northern most Coffee Hill condominiums contained observations of rust colored staining that could be caused by leachate or gas. The DNR discussed adding clean fill to the area and vegetating as an initial step to remediating the area. If additional fill does not prevent future seeps, additional action may be needed.</p>	<p>CA</p>	<p>506.07(5)(b) Photo(s): Y</p>
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Key : C or EV: Evaluated - no noncompliance detected at the time of inspection CA: Compliance with Concern R: Returned to Compliance X or V: Non-Compliance
 Y: Yes N: No UN: Unknown NA: Inspected, Not Applicable NE: Evaluation Determination will be Made at a Later Date NI: Not Inspected
 *: Dept. approved alternate may apply No 'box' is an open ended question ND: Inspected, Not Determined

CLOSED LANDFILL INSPECTION FORM

Section 4: Leachate Collection System

<p>B. Leachate removal from all leachate storage structures to maintain gravity flow (e.g. no leachate storage on landfill base or liner).</p>	<p>C</p>	<p>506.07(5)(a)</p>
<p>Northern portion has 4 manholes where leachate gravity drains and is manually pumped by the City of Kaukauna 1-2 times per week; no other portions of the landfill have leachate collection or leachate head monitoring.</p>		
<p>C. All leachate removed from the leachate collection system is being disposed of at a wastewater treatment facility unless the facility has approval to recirculate leachate or gas condensate.</p>	<p>C</p>	<p>506.07(5)(a)</p>
<p>City of Kaukauna pumps from 4 manholes to municipal sanitary sewer for treatment to Heart of the Valley</p>		
<p>D. Leachate lines cleaned on an annual basis or other frequency approved by the Department.</p>	<p>NA</p>	<p>506.07(5)(c)</p>
<p>E. Leachate head wells protected and being monitored for leachate head levels.</p>	<p>NA</p>	<p>507.04(3)</p>

Section 5: Monitoring Devices

<p>A. Monitoring and sampling devices protected to prevent contaminant entry and damage (e.g. caps present and locked, protective casing in good condition and not affected by frost heave or sunk relative to the well casing that prevents closure).</p>	<p>X</p>	<p>507.04(3)</p>
<p>Gas probe GP-5 needs a new lockable cover due to the current cover rusting at the hinges.</p>		
<p>B. All monitoring devices clearly and permanently labeled on the outside of the device.</p>	<p>C</p>	<p>507.04(4)</p>
<p>C. Any permanent monitoring well no longer being used to gather information is properly abandoned within 60 days after its use has been discontinued.</p>	<p>X</p>	<p>141.25(1)(b)</p>
<p>See item 5D. Groundwater monitoring well B-12 is broken and can no longer be sampled. This well needs to be abandoned and replaced.</p>		
<p>D. Any monitoring devise that has been damaged, provides a conduit to the subsurface or otherwise fails to function is properly abandoned and replaced within 60 days after discovery.</p>	<p>X</p>	<p>507.13</p>
<p>Groundwater monitoring well B-12 is broken and B-5, B-5A, and B-5B were lost in 2005. These wells are part of the required monitoring program and need to be replaced.</p>		
<p>E. Surface water sampling locations surveyed and permanently and clearly marked.</p>	<p>NA</p>	<p>507.23(2)</p>

Section 6: Final Use

<p>A. Waste disposal area not being used for agricultural purposes unless approved by the Department.</p>	<p>C</p>	<p>506.085(1)</p>
<p>B. No structures or other development over waste disposal area unless approved by the Department.</p>	<p>C</p>	<p>506.085(2)</p>
<p>C. No excavation of the final cover or any waste materials.</p>	<p>C</p>	<p>506.085(3)</p>

Key : C or EV: Evaluated - no noncompliance detected at the time of inspection CA: Compliance with Concern R: Returned to Compliance X or V: Non-Compliance
 Y: Yes N: No UN: Unknown NA: Inspected, Not Applicable NE: Evaluation Determination will be Made at a Later Date NI: Not Inspected
 *: Dept. approved alternate may apply No 'box' is an open ended question ND: Inspected, Not Determined

CASE PHOTOS

Photo # 105800 Photo 1 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction SW

Photographer BRESTER, TESS

Photo Description

Ponding water on ground surface over NPV trench. Low spots collecting ponding water on and immediately near the passive gas vent trench should be regraded to preventing ponding water and ensure passive gas vent trench is functioning as intended.



Photo # 105801 Photo 2 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction SW

Photographer BRESTER, TESS

Photo Description

Ponding water on ground surface over NPV trench. Low spots collecting ponding water on and immediately near the passive gas venting trench should be regraded to prevent ponding water and ensure the passive gas vent trench is functioning as intended. Woody vegetation establishing near passive gas vent trench (bottom left of photo) should be removed to prevent damage to the trench from the tree roots.



Photo # 105802 Photo 3 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction SE

Photographer BRESTER, TESS

Photo Description

Passive gas vent trench with ponding water on ground surface over passive gas vent trench on northern side of landfill on King's Plat property. Low spots collecting ponding water on and immediately near the passive gas venting trench should be regraded to preventing ponding water to ensure passive gas vent trench is functioning as intended. Woody vegetation establishing near passive gas vent trench (bottom left of photo) should be removed to prevent damage to the trench from the tree roots.



CASE PHOTOS

Photo # 105803 Photo 4 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction AT

Photographer BRESTER, TESS

Photo Description

Gas probe GP-10 locked and labeled.



Photo # 105831 Photo 5 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction W

Photographer BRESTER, TESS

Photo Description

Woody vegetation planted immediately near or on the 20th Street trench, near gas probe GP-5. Woody vegetation establishing near passive gas vent trench should be removed to prevent damage to the trench from the tree roots.



Photo # 105832 Photo 6 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN/AT

Photographer BRESTER, TESS

Photo Description

Gas probe GP-5 labeled. Hinge to the lockable cover on the device is rusted through, not allowing the gas probe to be properly locked. The cover on the gas probe needs to be replaced to allow the device to be properly locked.



CASE PHOTOS

Photo # 105833 Photo 7 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction E

Photographer BRESTER, TESS

Photo Description

Woody vegetation planted immediately near or on the passive gas vent trench near gas probe GP-5 on the northern side of King's Platt property. Woody vegetation establishing near passive gas vent trench (bottom left of photo) should be removed to prevent damage to the trench from the tree roots.



Photo # 105834 Photo 8 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction NE

Photographer BRESTER, TESS

Photo Description

Passive gas vent 2. The DNR recommends that the opening to the passive gas vent is covered with a mesh material to prevent insects from inhabiting the passive gas vent.



Photo # 105835 Photo 9 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction S

Photographer BRESTER, TESS

Photo Description

Woody vegetation established near gas probe GP-7. Woody vegetation should be removed if it is on or immediately near the passive gas venting trench to prevent damage to the trench due to the tree roots.



CASE PHOTOS

Photo # 105836 Photo 10 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction NE

Photographer BRESTER, TESS

Photo Description

VanToll property from King's Plat property.



Photo # 105837 Photo 11 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction W

Photographer BRESTER, TESS

Photo Description

Woody vegetation established on east side of CE Land property, west of the public trail. Woody vegetation needs to be removed if the woody vegetation is within the limits of waste of the landfill.



Photo # 105838 Photo 12 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction AT

Photographer BRESTER, TESS

Photo Description

Gas probe GP-15 locked and labeled.



CASE PHOTOS

Photo # 105839 Photo 13 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction E

Photographer BRESTER, TESS

Photo Description

South passive manhole vent labeled. Manhole appeared to be in a condition to prevent unauthorized access.



Photo # 105840 Photo 14 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN

Photographer BRESTER, TESS

Photo Description

Unidentified broken pipe located adjacent to passive gas vent SPV-5. Pipe penetration needs to be identified and properly repaired or abandoned depending on what the device is identified to be.



Photo # 105841 Photo 15 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction E

Photographer BRESTER, TESS

Photo Description

Final cover of landfill along south passive gas vent trench (passive gas vent in distance).



CASE PHOTOS

Photo # 105842 Photo 16 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction W

Photographer BRESTER, TESS

Photo Description

Approximate 3-foot diameter bare spot located east of the northernmost condominiums. Condominium in background.



Photo # 105843 Photo 17 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN

Photographer BRESTER, TESS

Photo Description

Close up of approximate 3-foot diameter bare spot located east of the northernmost condominiums with indications of rust colored staining that could be caused by gas and/or leachate. The DNR discussed adding additional clean fill over the area and stabilizing (vegetating) the added soils.



Photo # 105844 Photo 18 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN/EAST

Photographer BRESTER, TESS

Photo Description

Close up of approximate 3-foot diameter bare spot with indications of rust colored staining that could be caused by gas and/or leachate. The DNR discussed adding additional clean fill over the area and stabilizing (vegetating) the added soils.



CASE PHOTOS

Photo # 105845 Photo 19 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction W

Photographer BRESTER, TESS

Photo Description

Southern boundary of landfill and Coffee Hills condominiums. Three bare spots observed on the sideslope between the landfill and condominium (center of photo).



Photo # 105846 Photo 20 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN

Photographer BRESTER, TESS

Photo Description

Close up of bare spot 1.



Photo # 105847 Photo 21 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction WEST/DOWN

Photographer BRESTER, TESS

Photo Description

Close up of bare spot 2. Bare spot 2 in the background.



CASE PHOTOS

Photo # 105848 Photo 22 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction SW

Photographer BRESTER, TESS

Photo Description

Close up of bare spot 3. Bare spot 4 in the background.



Photo # 105849 Photo 23 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction AT

Photographer BRESTER, TESS

Photo Description

Stressed vegetation/ponding water area located in the central portion of the landfill (closer to western side of landfill).



Photo # 105850 Photo 24 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN

Photographer BRESTER, TESS

Photo Description

Ponding water located in the central portion of the landfill (closer to western side of landfill). Area needs to be graded to prevent ponding water.



CASE PHOTOS

Photo # 105851 Photo 25 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN

Photographer BRESTER, TESS

Photo Description

Gas observed actively bubbling in ponding water located adjacent to the mowed trail (south side), in northwestern portion of landfill. Area needs to be graded to prevent ponding water. Additional measures may be needed to mitigate gas.



Photo # 105852 Photo 26 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction AT

Photographer BRESTER, TESS

Photo Description

Passive gas vent NPV-8.



Photo # 105853 Photo 27 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction SW

Photographer BRESTER, TESS

Photo Description

Cell 5-1 manhole.



CASE PHOTOS

Photo # 105855 Photo 28 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction AT

Photographer MARCIULIONIS, JACKIE

Photo Description

Groundwater monitoring well MW-8A (cover removed by REL prior to photo).



Photo # 105856 Photo 29 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction DOWN

Photographer MARCIULIONIS, JACKIE

Photo Description

Inside of groundwater monitoring well MW-8A.



Photo # 106098 Photo 30 of 30

Photo Date & Time 06/27/2024 00:00

Photo Direction AT

Photographer BRESTER, TESS

Photo Description

Passive gas vent SPV-3 broken (not viewable in photo) and unstable/wobbly

