



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Alexis A. Lambert
Secretary

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

MEMORANDUM

TO: File
THROUGH: n/a
FROM: Kathryn Craver, External Affairs Director
SUBJECT: Indianhead Biomass, FLAB03976
DATE: April 3, 2025

Northeast District staff conducted multiple visits to the area of odor complaints during the month of March.

NED is collecting air monitoring data for hydrogen sulfide. It is noted below when measurements were taken. Staff turn off and exit the vehicle, walking to designated locations for a duration of time, to collect measurements. A final report of hydrogen sulfide data collected will be documented separately from the odor visits documented here.

Date: 3/2/25, Sunday	Weather Conditions: Sunny, minimal clouds	
Temperature [°F]: 63-64	Wind Velocity/Direction: SE 13mph; changed direction at ~11:15am to N 10mph	
NED Inspectors: Joni Petry, Chris Azcuy		
Observations: Wind shifted to the North around 11:15am, causing the air to circulate and stay in one area.		
Location	Time of Day	Observations/Notes
Race Track Rd/SR-16 Time In: 10:04am Time Out: 10:12am		
Race Track Rd and SR-16	10:04am	No odor detected
End of Race Track Rd	10:09am	No odor detected
Race Track Rd and SR-16	10:12am	No odor detected
Lennar at St. Augustine Lakes Time In: 10:16am Time Out: 10:46am Observations: Observed residents walking dogs, people at the pool, children playing in front yards. Wetland areas were holding water throughout the area.		
Deer Run to Arcadian Lake Blvd	10:16am	No odors detected.
Eustis Pt.	10:20-10:25am	No odors detected Staff stopped, turned off and exited the vehicle to conduct hydrogen sulfide monitoring.
Lake Sinclair St at Beauclair Blvd (West side of loop)	10:28am	No odors detected.
Lake Sinclair St. at Beauclair (east side of loop)	10:30am	No odors detected.
Blue Cypress Trl at Arcadian Lake Blvd	10:32am	No odors detected.

Blue Cypress Trl	10:33-10:37am	No odors detected. At the end of Blue Cypress Trl., staff stopped, turned off and exited the vehicle to conduct hydrogen sulfide monitoring
Blue Cypress Trl at Arcadian Lake Blvd	10:39am	No odors detected.
Miromar Lake Dr at Arcadian Lake Blvd	10:40am	No odors detected.
Miromar Lake Dr	10:42am	No odors detected; homes were actively under construction as the subdivision is expanding in this area.
Miromar Lake Dr at Bethesda Ct	10:42am	No odors detected.
Miromar Lake Dr at Arcadian Lake Blvd	10:45am	No odors detected.
Leaving St. Augustine Lakes at Holmes Blvd	10:46am	No odors detected.
Intersection Time In: 11:01am		
N. Holmes Blvd at CR-214	11:01am	Smoke odor due to wood burning detected.
Carter Road Time In: 11:02am Time Out: 11:28am		
Carter Road at CR-214	11:02-11:08am	No odors detected at entrance of road or drive through length to the end.
End of Carter Road	11:08-11:24am	No odors detected. At end of the road, staff stopped, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. Spoke with last resident on the road, she indicated the odor was bad yesterday (Saturday 3/1) and was a horse manure smell and stated that foggy days the smell is worse.
End of Carter Road through to CR-214	11:24-11:28am	No odors detected.
Indianhead Entrance Time In: 11:29am Time Out: 11:36am		
Indianhead Entrance at CR-214	11:29-11:36am	Gate was closed, no activity was noted. No odors were detected. Staff stopped, turned off and exited the vehicle to conduct hydrogen sulfide monitoring.
Morgan's Cove Subdivision Time In: 11:38am Time Out: 12:40pm		
Morgans Cove Entrance at CR-214	11:38am	No odors detected.
Morgans Treasure Road at Mango Grove Ct	11:39 – 11:45am	Faint to moderate biosolids odor; comes with wind and then dissipates.

		Staff stopped at the dead end of Mango Grove Ct., turned off and exited the vehicle to conduct hydrogen sulfide monitoring. At time of departing the dead end, no odors were detected.
113 Shallow Bay Ct	11:53-11:55am	Staff stopped at the end of the Shallow Bay, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.
800 Morgans Treasure Road	12:00-12:04pm	Staff stopped at the address, turned the vehicle off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.
Powerline Road @ Morgans Treasure Road	12:07pm	Staff stopped at the address, turned the vehicle off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.
Powerline Road @ Morgans Treasure Road, curbside	12:08-12:09pm	No odors detected.
Gate between Morgan Treasure Road and Powerline Road	12:11pm	No odors detected while staff stood at the gate facing IHB.
Lift Station at Morgans Treasure Road	12:19-12:21pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.
Playground	12:25-12:27pm	Staff stopped at the playground, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.
Sailors Landing Ct	12:33-12:35pm	Staff stopped at the playground, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors detected.

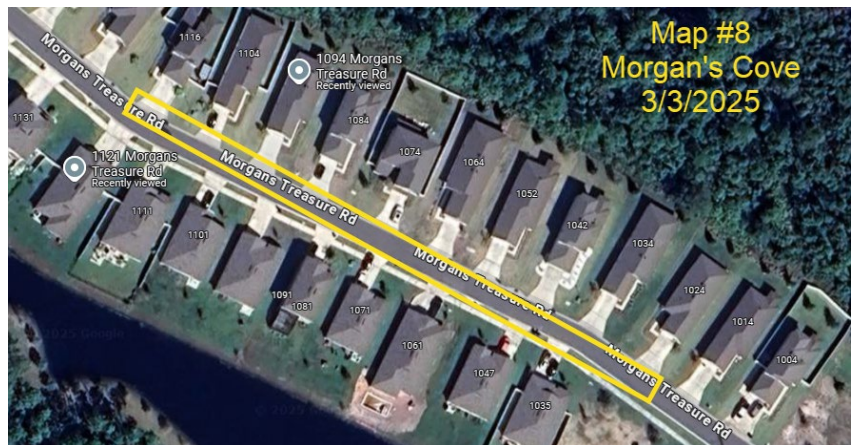
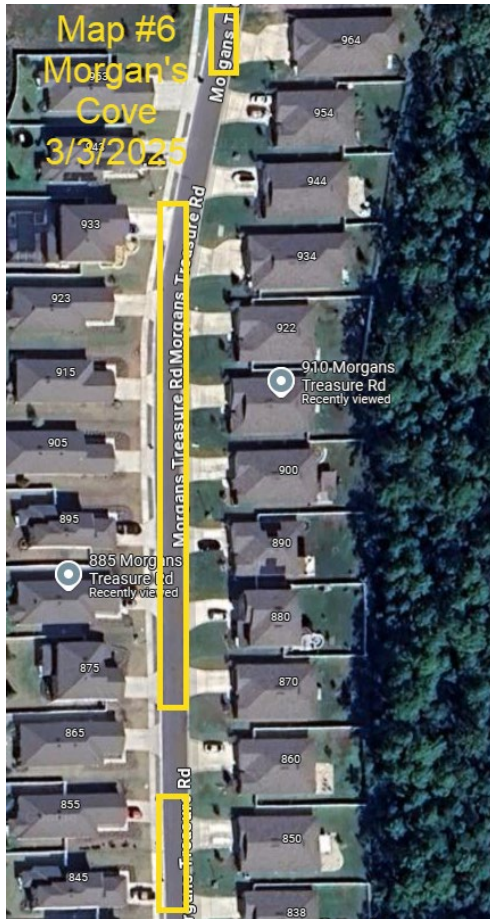
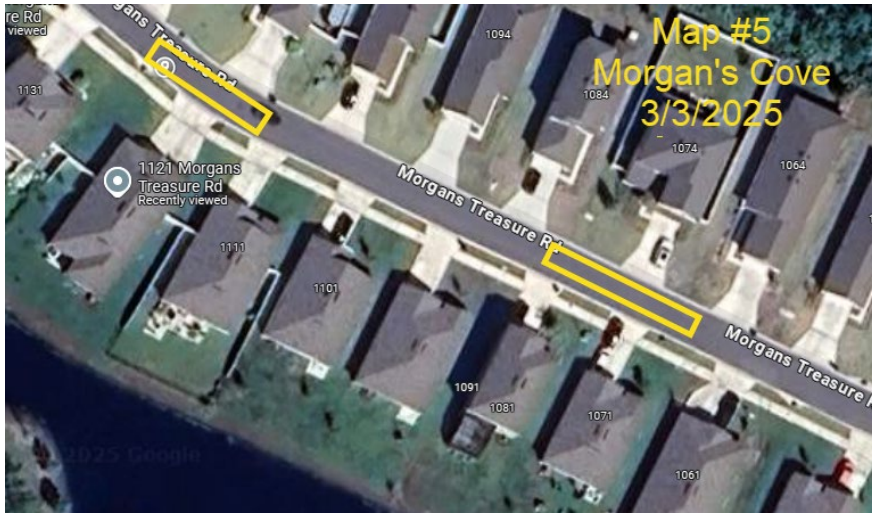
Date: 3/3/2025, Monday		Weather Conditions: Cloudy
Temperature [°F]: 68		Wind Velocity/Direction: SW
NED Inspectors: Tyler Catanzariti and Sanaa Hodge-Butler		
Observations: Observed individuals walking dogs, mowing the lawn, and chatting outside in areas where odor was not present, while this was not observed in areas where odor was detected.		
Location	Time of Day	Observations/Notes
Morgan's Cove Subdivision Time In: 12:49PM Time Out: 1:23PM		
Morgan's Treasure Rd	12:50-12:53PM	Slight farm-like odor while driving down the entryway to the neighborhood. Odor came and went with the wind. (Map #1)
Mango Grove Ct Cul-de-sac	12:55PM	Very fleeting faint farm-like odor. Inspectors stopped and parked the car for five minutes to smell. (Map #2)

634 Morgan's Treasure Rd	1:00PM	Very faint, farm-like odor detected. (Map #3)
770-780 Morgan's Treasure Rd	1:00PM	Faint to moderate farm-like odor. Stopped the car to detect presence. (Map #4)
808-900 Morgan's Treasure Rd	1:03PM	Consistently lingering farm-like odor. Odor intensity varied between faint and moderate with wind. (Map #4)
Morgan's Treasure Rd	1:04PM	No odor detected.
Falcon Ridge Rd	1:05PM	No odor detected.
Playground	1:06PM	No odor detected.
Falcon Ridge Rd	1:07PM	No odor detected.
Sailor's landing Ct	1:09PM	No odor detected. Observed people walking dogs, open garage doors.
Sailor's Landing Ct cul-de-sac	1:11PM	No odors detected.
Morgan's Treasure Rd	1:12PM	No odors detected.
1121 & 1091-1081 Morgan's Treasure Rd	1:13-1:14PM	Faint biosolids-like odor started at 1121 Morgan's Treasure Rd. Odors grew stronger and lingered around 1091 and 1081 Morgan's Treasure Rd. (Map #5)
964 & 933-875 Morgan's Treasure Rd	1:16-1:17PM	Moderate biosolids odor detected at 964 Morgan's Treasure Rd and lingered around 933-875 Morgan's Treasure Rd. (Map #6)
855-845 Morgan's Treasure Rd	1:18PM	Biosolids odors grew weaker. (Map #6)
813 Morgan's Treasure Rd	1:18PM	No odors detected.
Morgan's Treasure Rd	1:20PM	No odors detected.
Cannonball Dr	1:21PM	No odors detected, observed an individual cleaning their windows outside.
Morgan's Treasure Rd	1:22PM	No odor detected.
Carter Road Time In: 1:27PM Time Out: 1:36PM		
Beginning-Middle Carter's Rd	1:28PM	No odors detected
Middle Carter Rd.	1:35PM	No odors detected.
Drive back to the entrance	1:36PM	Visit cut short- large tree-cutting truck blocking the way to the end of the road. No odors detected on the way out of neighborhood.
Lennar at St. Augustine Lakes Time In: 1:39PM Time Out: 1:56PM		
Deer Run Rd	1:40PM	No odors detected
Arcadian Lakes	1:42PM	No odors detected.
Lake Sinclair St	1:42PM	No odors detected.
Arcadian Lakes	1:46PM	No odors detected.
Blue Cypress Trail	1:47PM	No odors detected.
Blue Cypress Trail Cul-de-sac	1:48-1:52	Parked car in the bend for a few minutes, no odors detected.
Arcadian Lakes	1:55PM	No odors detected.
Morgan's Cove Subdivision Visit #2 Time In: 2:05PM		

Time Out: 2:32PM		
Morgan's Treasure Cove Entrance	2:06PM	No odor detected.
Morgan's Treasure Rd	2:07PM	No odor detected.
770 Morgan's Treasure Rd	2:09PM	Faint, fleeting biosolids odor detected.
Powerline Rd	2:11-2:13PM	Faint, fleeting biosolids odor detected. Pulled car to a stop. (Map #7)
1024-1116 Morgan's treasure Rd	2:13PM	Moderate biosolids odor that grew faint as we passed in the car. (Map #8)
Falcon Ridge Rd	2:14PM	No odors detected.
Falcon Ridge Playground	2:15PM	No odors detected.
545 Falcon Ridge Rd	2:17PM	Slight detect of biosolids odor- very fleeting.
Sailor's Landing Ct cul-de-sac	2:18PM	No odor detected.
157 Sailor's Landing Ct	2:19PM	Slight detect of biosolids odor.
Morgan's Treasure Rd	2:20PM	No odor detected.
1180-1104 Morgan's Treasure Cove	2:21PM	Odor varied between faint and moderate with wind. (Map #9)
Powerline Road	2:21PM	Moderate biosolids odor that varied with wind. Stronger than first pass of Powerline Road, but fleeting in nature with wind. (Map #7)
905-835 Morgan's Treasure Rd	2:23PM	Moderate biosolids lingered in this area. (Map #10)
753 Morgan's Treasure Rd	2:23PM	Biosolids odor grew faint before fading.
Shallow bay Ct	2:26PM	No odor detected.
Shallow Bay Ct Cul-de-sac	2:26PM	No odor detected.
Morgan Treasure Rd	2:28PM	No odor detected.
Mango Grove Ct	2:29PM	No odor detected.
Cannonball dr	2:30PM	No odor detected.
Morgan's Treasure Rd	2:32PM	No odor detected.







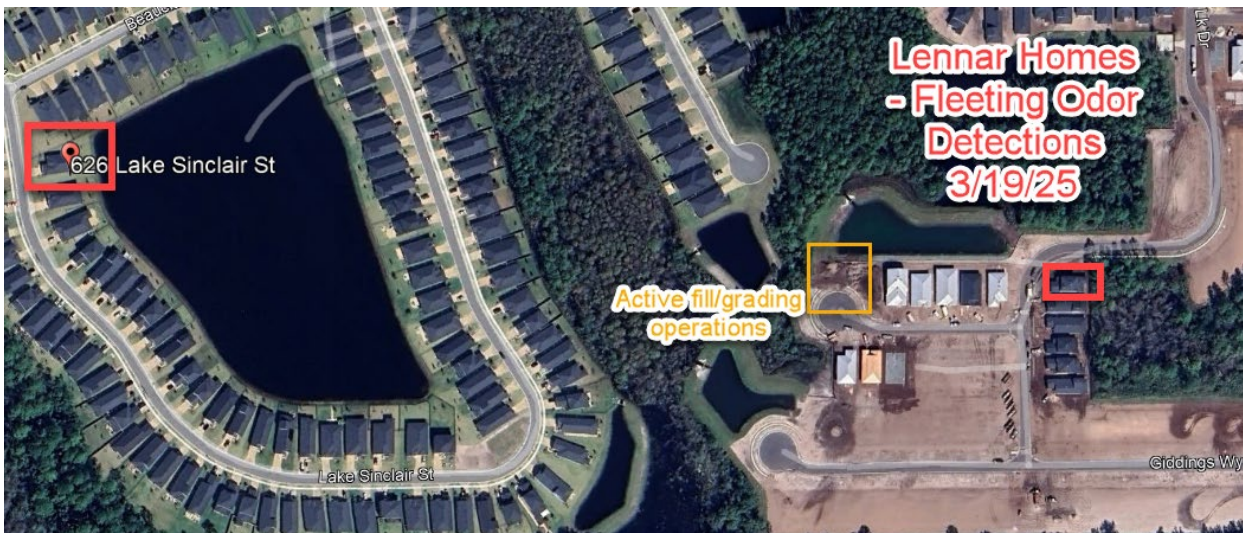
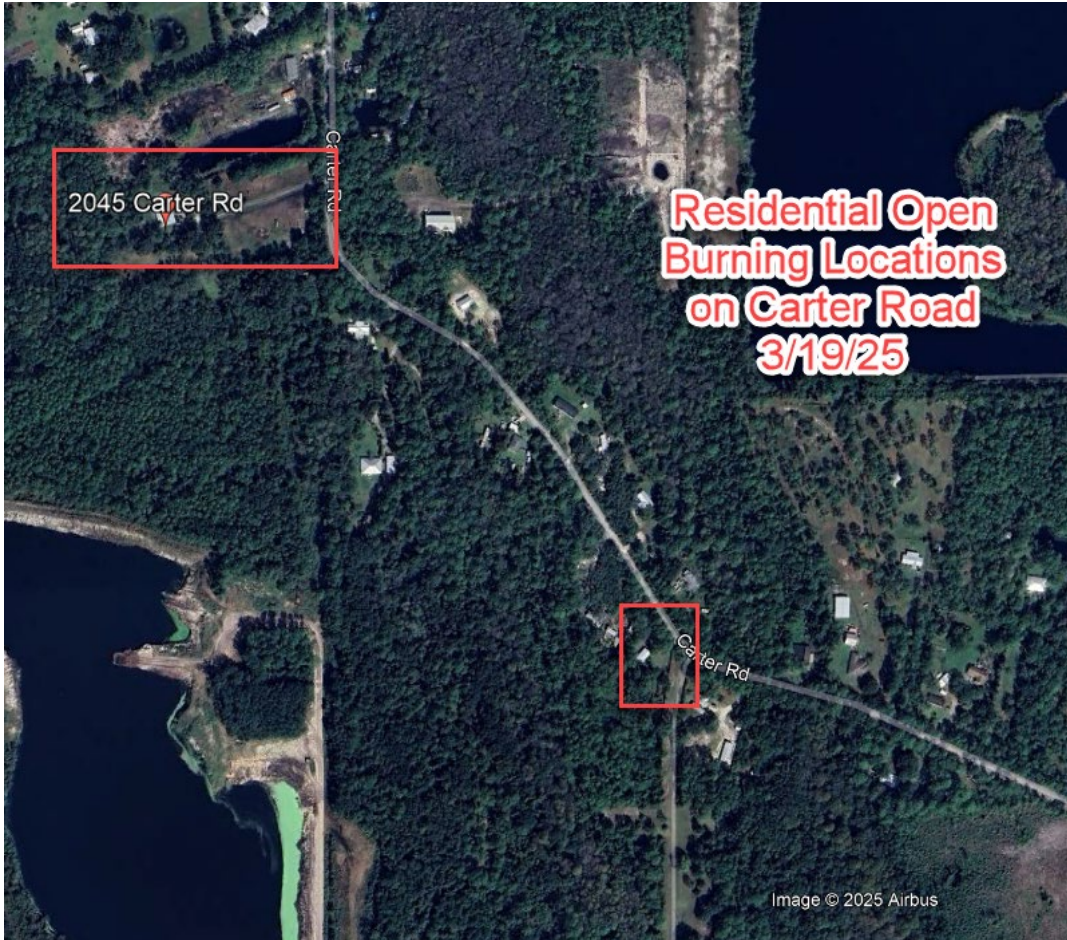


Date: 3/14/25, Thursday		Weather Conditions: Sunny, minimal clouds
Temperature [°F]: 73-75		Wind Velocity/Direction: 2-7 MPH - WSW
NED Inspectors: Zachary Winkler, Cory Mundorff		
Location	Time of Day	Observations/Notes
Carter Road Time In: 12:29am Time Out: 12:43am		
Carter Road at CR-214	12:29am	No odors detected at the entrance of road or drive through length to the end.
End of Carter Road	12:34am	No odors detected At end of the road, staff stopped, turned off and exited the vehicle to conduct hydrogen sulfide monitoring.
End of Carter Road through to CR-214	12:43am	No odors detected.
Indianhead Biomass Time In: 12:48pm Time Out: 1:11pm		
Indianhead Entrance at CR-214 / Powerline Road	12:48-12:50pm	No odors were detected
Indianhead Facility	~1:00pm	Observed the composting piles (authorized operations); Noticeable, yet not overwhelming biosolid odor detected as a result of normal operations.
Indianhead Exit at CR-214 / Powerline Road	1:11pm	As staff were leaving facility, a hauling truck that had been carrying biosolids left a noticeable odor briefly.
Morgan's Cove Subdivision Time In: 1:20pm Time Out: 1:51pm		
Morgans Cove Entrance at CR-214	1:20pm	No odors detected by staff upon entrance to the development.
Lift Station at Morgans Treasure Road	1:25pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. A faint, biosolid smell was noticed, but had dissipated before it could be smelled again.
Playground	1:30pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors detected.
Sailors Landing Ct.	1:35pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors detected.
Powerline Road @ Morgans Treasure Road, curbside	1:41pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.
800 Morgans Treasure Road	1:44pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.

Dead end of Shallow Bay Ct.	1:47pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.
Dead end of Cannon Ball Dr.	1:51pm	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors were detected.

Date: 3/19/25	Weather Conditions: Sunny	
Temperature [°F]: 70	Wind Velocity/Direction: 5mph SSW	
NED Inspectors: Anna McClure		
Observations: Observed individuals doing yard work, generally outside; several open burns in the area; Lennar Homes community was receiving fill materials while DEP was onsite; no odors observed during unloading of fill; DEP staff unable to confirm odors from IHB due to construction and development activities taking place.		
Location	Time of Day	Observations/Notes
Morgan's Cove Subdivision Time In: 11:27AM Time Out: 11:49AM		
Cannon Ball Drive	11:29	Lawn maintenance observed. No odors detected.
Playground at Falcon Ridge Rd.	11:35	No odors detected.
Falcon Ridge Rd	11:36	Individuals playing football outside; several garage doors open. No odors detected.
Carter Road Time In: 11:53AM Time Out: 12:09PM		
Beginning-Middle Carter's Rd	11:53AM	No odors detected.
1925 Carter Rd	11:59AM	Residential bonfire (small; <5ft)
2045 Carter Rd	12:03PM	Larger residential open burn (>10ft); smoke going west; bonfire smell present until end of Carter Road.
Lennar at St. Augustine Lakes Time In: 12:13PM Time Out: 12:45PM		
End of River Strand Lane	12:14PM	No odors detected.
Community Pool of Eloise Ct	12:20PM	People outdoors; swimming & walking. No odors detected.
626 Lake Sinclair Street	12:22PM	Fleeting odors different from odor profile detected at IHB; neighborhood undergoing construction and development making it difficult to confirm a sole source of odors.
412 Miromar Lake Dr	12:32PM	Fleeting odors different from odor profile detected at IHB; neighborhood undergoing construction and development making it difficult to confirm a sole source of odors.
End of Bethesda Ct	12:35PM	Unloading of top-soil & regrading work; potential odor source.

SR 16 WWTP		
Time In: 12:55PM		
Time Out: 12:58PM		
End of Road	12:56PM	No odors detected.



Date: 3/21/2025		Weather Conditions:
Temperature [°F]: 55		Wind Velocity/Direction: 10mph / NNW
NED Inspectors: Zach Winkler and Luke Lewis		
Observations: At each location listed below, staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring.		
Location	Time of Day	Observations/Notes
Indianhead Biomass Onsite at Facility Time In: ~11:10am Time Out: ~11:30am		
Indianhead Entrance at CR-214 / Powerline Road	11:10am	Notable odor was observed along Powerline Road and at the office. Numerous trucks were making deliveries at the time of arrival so odor is likely from a drop off.
Indianhead Facility	11:15am	Observed the composting piles (authorized operations); Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring.
Indianhead Exit at CR-214	11:30am	Staff stopped at the address, turned off and exited the vehicle to conduct hydrogen sulfide monitoring. No odors detected.
Morgan's Cove Subdivision Time In: ~11:40am Time Out: ~12:10pm		
800 Morgans Treasure Road	11:43am	No odors detected.
Powerline Road @ Morgans Treasure Road, curbside	11:48am	No odors detected.
Lift Station at Morgans Treasure Road	11:53am	No odors detected.
Playground at Falcon Ridge Trail	11:58am	No odors detected.
Dead end of Sailors Landing Ct.	12:04pm	No odors detected.
Carter Road Time In: ~12:15pm Time Out: ~12:27pm		
End of Carter's Road	12:19pm	No odors detected.

Date: 03/27/2025.		Weather Conditions: Sunny.
Temperature [°F]: 68		Wind Velocity/Direction: 11-16 MPH/NE.
NED Inspectors: Luke S. Lewis and Anna McClure.		
Observations: Before visits were made in the three listed areas below, activity was observed at an St. Johns County Utility Department SR-16 WWTF from 10:20am-10:25am: No odors detected during active biosolids loading into semi-truck trailer.		
Location	Time of Day	Observations/Notes
Lennar at St. Augustine Lakes Time In: 10:28am. Time Out: 10:51am.		
Observations: Observed people on driveways and porches, open garage doors, dog walking activities, children outside and construction workers walking between jobsites. A fill pile was noted at the end of Bethesda Court.		
Walked into intersection of Bethesda Court and Miromar Lake Drive.		No odors detected.
Walked past lift station and into intersection River Strand Lane and Miromar Lake Drive (MLD), then into intersection of Disston Cove and MLD.		No odors detected.
Walked into Lake Sinclair Street and Eustis Point intersection.		No odors detected.
Carter Road Time In: 10:54am Time Out: 11:14am		
Observations: Observed people including children in driveways and yards, and heard animal/livestock activity.		
Drove entirety of Carter Road very slowly with vehicle's windows down and A/C off.		No odors detected.
Morgan's Cove Subdivision Time In: 11:17am Time Out: 11:36am		
Observations: Morgan's Cove Subdivision was visited once before and once after an inspection of Indianhead Biomass Recycling Area. Strong "zoo-like" odors were detected in Morgan's Cove Subdivision at 11:31am and between approximately 12:40pm-12:55pm.		
Walked into intersection of Morgan's Treasure Road and Coral Ridge Court, near lift station and mailboxes.		Slightly fleeting bonfire-like odor; no chemical odor. Observed people walking, open garage doors and people driving with car windows down.
793 Morgan's Treasure Road		No odors detected. People outside working and recreating on driveways and yards, and children playing outside.
Walked into intersection of Powerline Road and Morgan's Treasure Road	11:30am	Strong zoo/animal-like odor that lasted about 30 seconds. Odor observed only when wind blew. No odor noted when there was no wind. See Figure 1 below.

Morgan's Cove Subdivision Time In: 12:35pm Time Out: 12:57pm		
1. Near 683 to 753 Morgan's Treasure Road (MTR)	~12:40pm	Strong zoo/animal-like odor during high winds. Observed man walking dog and a house's door open. See Figure 2 below.
2. Near 915 to 1061 MTR houses adjacent to lift station	~12:45pm	Strong zoo/animal-like odor during high winds. See Figure 3 below.
3. Near 89 Falcon Ridge Road	~12:50pm	Slight zoo/animal-like odor detected. See Figure 4 below. Observed dog sunbathing in yard and garage doors open.
4. Near 532 Falcon Ridge Road	~ 12:55pm	Slight zoo/animal-like odor. Brief exchange with Mr. Jessie (HOA board member) in the street outside his house. See Figure 5 below

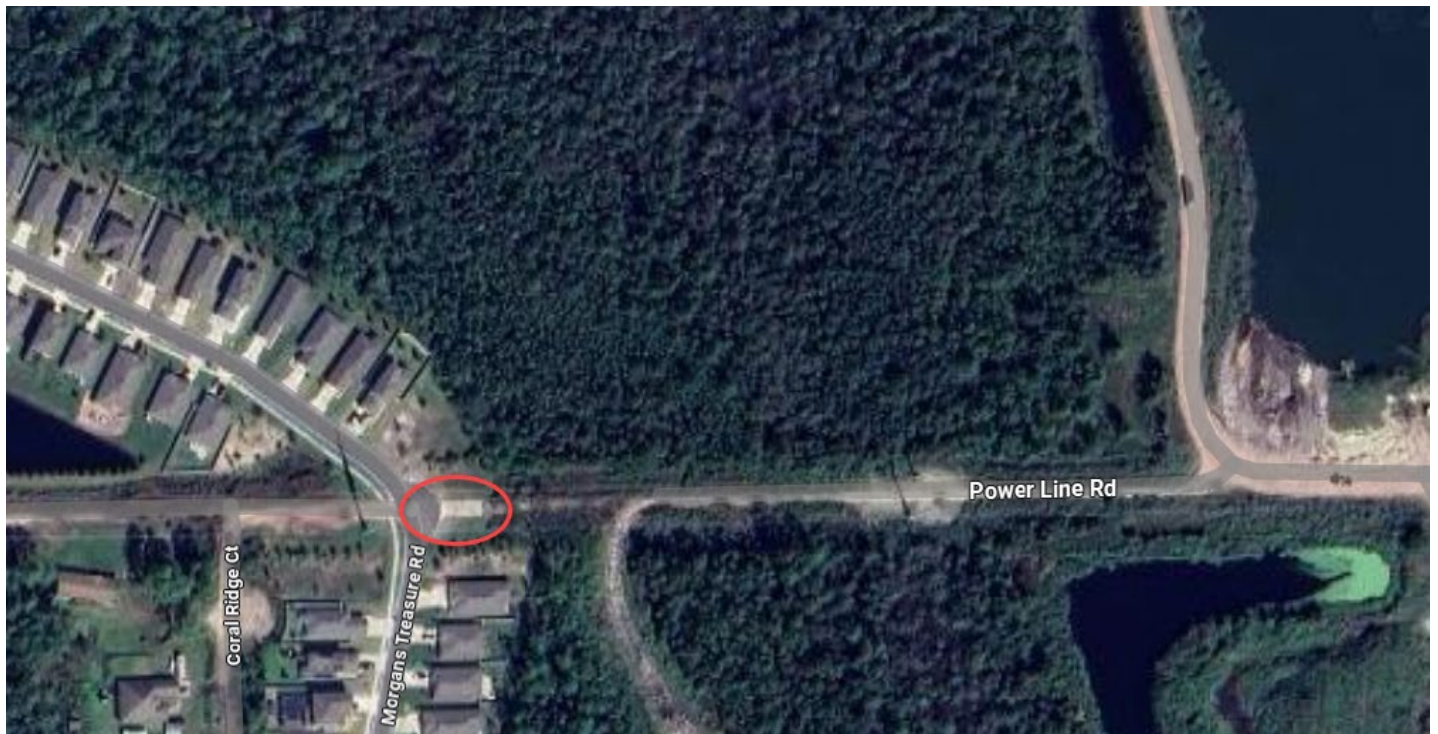


Figure 1. Location of strong zoo/animal-like odor observed at 11:31am on Thursday, 03/27/2025.



Figure 2. Location of strong zoo/animal-like odor during high winds at approximately 12:40pm on Thursday, 03/27/2025.



Figure 3. Location of strong zoo/animal-like odor during high winds at approximately 12:45pm on Thursday, 03/27/2025.



Figure 4. Location of slight zoo/animal-like odor at approximately 12:50p.m. on Thursday, 03/27/2025.

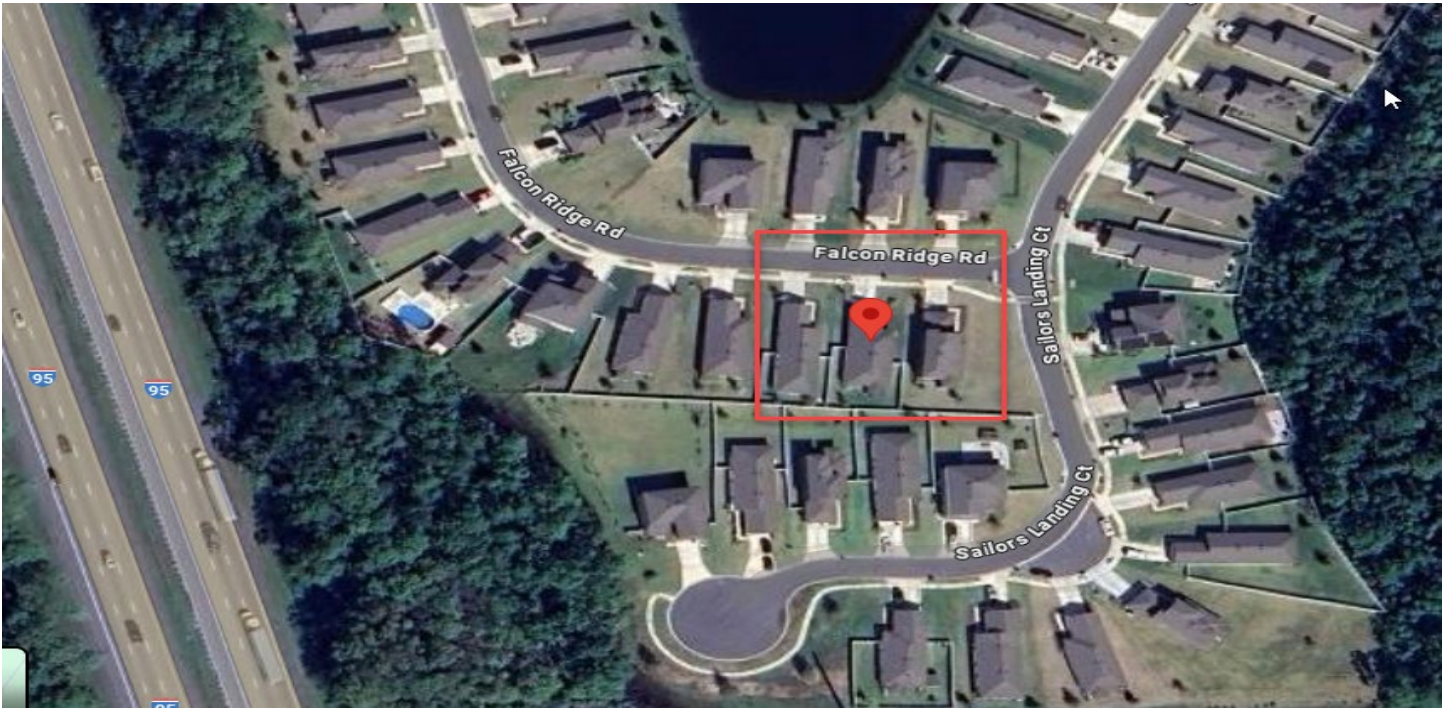


Figure 5. Location of slight zoo/animal-like odor at approximately 12:55pm on Thursday, 03/27/2025.