LAND APPLICATION OF BIOSOLIDS THOMAS E GRAVES, JR

OR 05 (FIELDS 01-13, 1, 20-28) ORANGE COUNTY, VIRGINIA JUNE 2024





SEPTEMBER 25, 2024

Mr. John Thompson
Department of Environmental Quality
Northern Virginia Regional Office
13901 Crown Court
Woodbridge, Virginia 22193

Dear Mr. Thompson,

Transmitted herein for your consideration is land application site for Thomas E. Graves Jr. (designated as OR 05, fields 01-13, 16, 20-28), located in Orange County, Virginia. This submission contains strictly site-specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site-specific information.

Do not hesitate to contact me at (410) 553-7217 should you have any questions or require additional information.

Sincerely,

Carolanne M. Whiteside

muhiteside

Technical Services Coordinator



FIELD SUMMARY SHEET

Thomas E. Graves, Jr. OR 05

SYNAGRO	GROSS	NET	FSA	FIELD	
FIELD	ACRES	ACRES	TRACT	TYPE	OWNER
#			#		
05-01	34.2	34.2		Agriculture	Graves Family Ltd Partnership
05-02	29.3	29.3		Agriculture	Thomas E. Graves, Jr et als
05-03	22.2	22.2		Agriculture	Thomas E. Graves, Jr et als
05-04	23.6	23.6		Agriculture	Thomas E. Graves, Jr et als
05-05	13.9	13.9		Agriculture	Thomas E. Graves, Jr et als
05-06	20.5	20.5		Agriculture	Thomas E. Graves, Jr et als
05-07	5.7	5.7		Agriculture	Thomas E. Graves, Jr et als
05-08	8.6	8.6		Agriculture	Thomas E. Graves, Jr et als
05-09	32.8	32.8		Agriculture	Thomas E. Graves, Jr et als
05-10	14.2	14.2		Agriculture	Thomas E. Graves, Jr et als
05-11	25.3	25.3		Agriculture	Thomas E. Graves, Jr et als
05-12	46.5	46.5		Agriculture	Thomas E. Graves, Jr et als
05-13	23.2	23.2		Agriculture	Thomas E. Graves, Jr et als
05-16	54.9	54.9		Agriculture	Thomas E. Graves, Jr
05-20	10.9	10.9		Agriculture	Graves Family Ltd Partnership
05-21	7.0	7.0		Agriculture	Graves Family Ltd Partnership
05-22	16.5	16.5		Agriculture	Graves Family Ltd Partnership
05-23	39.4	39.4		Agriculture	Graves Family Ltd Partnership
05-24	8.8	8.8		Agriculture	Graves Family Ltd Partnership
05-25	26.9	26.9		Agriculture	Graves Family Ltd Partnership
05-26	22.0	22.0		Agriculture	Graves Family Ltd Partnership
05-27	20.9	20.9		Agriculture	Thomas E. Graves, Jr et als
05-28	8.4	8.4		Agriculture	Thomas E. Graves, Jr
TOTALS:	515.7	515.7			06/05/2024

Changes to field acreages

SYNAGRO FIELD #	OLD FIELD	OLD ACRES	NEW ACRES	NET ACRES CHANGE	REASON FOR CHANGE
05-01	05-01	47.9	34.2	-13.7	10.9 ac. to field 20 & FP
05-02	05-02	29.3	29.3	0.0	
05-03	05-03	19.8	22.2	2.4	Footprint (FP)
05-04	05-04	23.6	23.6	0.0	·
05-05	05-05	15.5	13.9	-1.6	FP
05-06	05-06	20.5	20.5	0.0	
05-07	05-07	5.7	5.7	0.0	
05-08	05-08	8.6	8.6	0.0	
05-09	05-09	32.8	32.8	0.0	
05-10	05-10	14.2	14.2	0.0	
05-11	05-11	25.3	25.3	0.0	
05-12	05-12	50.3	46.5	-3.8	FP
05-13	05-13	26.2	23.2	-3.0	FP
	05-15	29.4	0.0	-29.4	split into 27 & 28
05-16	05-16	57.9	54.9	-3.0	FP
	05-17	2.6	0.0	-2.6	remove
	05-18	21.5	0.0	-21.5	remove
	05-19	21.3	0.0	-21.3	remove
05-20	05-20	0.0	10.9	10.9	from field 01
05-21	08-01	0.0	7.0	7.0	OR 08-01 -5.8 ac. FP
05-22	08-02	0.0	16.5	16.5	OR 08-02
05-23	08-03	0.0	39.4	39.4	OR 08-03 -3.2 ac to 24
05-24	08-04	0.0	8.8	8.8	OR 08-04 +3.2 ac
05-25	08-05	0.0	26.9	26.9	OR 08-05
05-26	08-06	0.0	22.0	22.0	OR 08-06 -9.5 ac FP
05-27	05-15	0.0	20.9	20.9	from field 15
05-28	05-15	0.0	8.4	8.4	from field 15
TOTALS:		452.4	515.7	63.3	

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Fields with DEQ Control Numbers

SYNAGRO FIELD#	DEQ Control Number
05-01	51137-00542-0000
05-02	51137-00555-0000
05-03	51137-00556-0000
05-04	51137-00553-0000
05-05	51137-00554-0000
05-06	51137-00551-0000
05-07	51137-00552-0000
05-08	51137-00550-0000
05-09	51137-00549-0000
05-10	51137-00543-0000
05-11	51137-00544-0000
05-12	51137-00545-0000
05-13	51137-00547-0000
05-16	51137-00548-0000
05-20	51137-00542-0000
05-21	51137-00538-0000
05-22	51137-00539-0000
05-23	51137-00537-0000
05-24	51137-00536-0000
05-25	51137-00540-0000
05-26	51137-00541-0000
05-27	51137-00546-0000
05-28	51137-00546-0000

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SYNAGR@

VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Thomas E. Graves Jr PHONE: (540) 854-5903
ADDRESS: 18000 Zachany Taylor Hwy Orange VA 22960
FARM LOCATION: Rts 651, 621
FSA TRACT #:
TOTAL ACRES: COUNTY: Orange
CROPS: Hay Pasture Corn Soybeans
4. Learne to be responsible for adhering to the following conditions, where applicable:

- I agree to be responsible for adhering to the following conditions, where applicable:
 - The soil pH will be adjusted ≥6.0 when biosolids are applied. (This may be accomplished through the application of lime-treated biosolids).
 - Do not graze animals on the land for 30 days after the application of biosolids. In addition, animals intended for b. dairy production should not be allowed to graze on the land or be fed chopped foliage for 60 days after the application of biosolids. Meat-producing livestock should not be fed chopped foliage for 30 days after the application of biosolids.
 - Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 14 months after the application of biosolids.
 - Food crops for direct human consumption with harvested parts below the surface of the land shall not be d. harvested for 20 months after the application of biosolids when the biosolids remain on the land surface ≥ 4 months prior to incorporation into the soil or 38 months when the biosolids remain on the land surface < 4 months prior to incorporation.
 - Food crops, feed crops and fiber crops shall not be harvested for 30 days after application of biosolids.
 - Public access to land with a low potential for public exposure (land the public uses infrequently including but not limited to agricultural land and forests) shall be restricted for 30 days after application of biosolids. Public access to land with a high potential for public exposure (land the public uses frequently including but not limited to a public contact site such as parks, playgrounds and golf courses) shall be restricted for 1 year. No biosolidsamended soil shall be excavated or removed from the site for 30 days following the biosolids application unless adequate provisions are made to prevent public exposure to soils, dusts or aerosols.
 - Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.
 - Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs fro nutrients are not exceeded as identified on the nutrient balance sheet or the nutrient management plan approved by the Virginia Department of Conservation and Recreation to be supplied to the farm operator by Synagro at the time of application of biosolids to a specific permitted site.
 - Tobacco, because it has been shown to accumulate cadmium, should not be grown for three years following the application of biosolids-borne cadmium equal to or exceeding 0.45 lbs/acre.
- 2. I understand that this transaction is not contemplated by the parties to be a sale of goods, and that Synagro is willing to provide to me without charge the service of land applying biosolids which have been approved by the appropriate regulatory agencies for land application.
- 3. I understand that successful crop production depends on many variables, such as weather, soil conditions and specific farming practices and that while Synagro has experience with land application of biosolids, the responsibility for properly accommodating agricultural practices to biosolids utilization are solely mine. I have also read and understand the "Important Information About Using Biosolids as a Fertilizer" which is on the reverse side and incorporated by reference in this Request and Consent.

Request and Consent.
Thomas & Diana J. OPERATOR'S SIGNATURE

IMPORTANT INFORMATION ABOUT USING BIOSOLIDS AS A FERTILIZER

Biosolids Generation

Biosolids are the accumulated, treated solids separated from water during the treatment of wastewater by public and private wastewater treatment plants (Generators). The Generator is responsible for supplying biosolids that are suitable for land application under state and federal regulations.

Benefits of Biosolids

Biosolids provide nitrogen in a form that can be taken up by plants during their growth cycle. Biosolids also add phosphorus to the soil. If lime is added to biosolids, the biosolids will have the added benefit of a liming agent. Biosolids contain primary, secondary and micronutrients that can be used by plants. Biosolids are primarily an organic material; when added to soil, they improve water and nutrient retention, reduce erosion potential and improve soil structure.

The Permitting Process

Once the farm operator requests biosolids, a Synagro representative initially evaluates the farm for truck access and field conditions. If the farm is found to be suitable and the Request for Biosolids and the Consent for Biosolids forms are signed, Synagro will collect soil samples and have them analyzed by an independent laboratory.

Synagro will then apply for any federal, state or local permits required for biosolids application. The permits will specifically identify the fields to which biosolids will be applied and will be issued to Synagro or the Generator.

After the permits are obtained (a process that may take several months or more) Synagro will apply biosolids, as they become available, to the fields. Availability of biosolids may vary because of weather conditions, contractual arrangements with biosolids generators and other factors. Although the company cannot guarantee biosolids application because of factors beyond its control, Synagro will use its best efforts to apply biosolids to the permitted fields.

The conditions outlined in the permit will apply to any and all biosolids applications made by Synagro. Synagro will not e responsible for biosolids application made by any other entity.

Periodic visits to the land application site(s) by federal, state and local regulatory staff and Synagro representatives may occur for the purpose of permitting the site, inspecting the site, applying biosolids, obtaining samples at the site and testing. Proper identification will be provided upon request.

Agronomic Considerations

Tractor-trailer units are used to deliver biosolids to the fields approved for biosolids applications. Soil compaction may occur on the travel areas used by the trucks and in areas where biosolids are unloaded for transfer to the applicator vehicle.

Since some biosolids contain time, it is important to recognize any increase in soil pH where biosolids have been applied and exercise care in using certain herbicides. If considering the use of a sulfonylurea herbicide, particular attention should be paid to any label restrictions. High soil pH and dry weather may slow decomposition of these chemicals, resulting in carryover. For soils with low manganese levels, increased soil pH from time addition (alone or in lime treated biosolids) may reduce manganese availability and thereby potentially reduce crop yields.

In planning a herbicide program, it should be noted that seeds may sometimes survive the biosolids treatment process — for example, tomato seeds. Also, the organic matter additions from biosolids application (organic matter tends to tie up certain herbicides) may require increased herbicide application rates. Consult your extension agent or chemical representative for a specific recommendation.

Biosolids contain salts. Biosolids applications alone rarely cause salt problems. However, if combined with other significant salt-increasing factors, such as drought, excessive soil compaction, saline irrigation water and salt-contain fertilizers, salts may reach levels that could negatively affect germination and growth of some crops.

While odors from biosolids applications are not usually significant, and typically less than that from livestock manure, it is possible that an odor from the decomposition of organic matter may be noticed. It this occurs, it generally disappears in a short time.

Since biosolids provide nitrogen that will be released slowly throughout the growing season with diminishing carryover in subsequent years, it is important to reduce the use of nitrogen and other fertilizers to appropriate levels.

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11-21-2023 between Thomas Edward Graves Jr et als
referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement
remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by
the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of
individual parcels identified in this agreement changes, those parcels for which ownership has changed will no
longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in <u>Orange Co.</u>, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges									
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	<u>Tax Parcel ID</u>						
0730000000130									
0740000000010	00000010								

L Add	itional parceis	contai	ning L	and Ap	plication	1 Sites a	are iden	unea on	Supple	ment A	(check i	ii applica	bie)	
		_												

Check one:
The Landowner is the sole owner of the properties identified herein.

X The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

- 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
- 2. Notify the Permittee of the sale within two weeks following property transfer.

Water treatment residuals

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Food processing waste

X Yes	□ No	X Yes	□ No	X Yes	□No	X Yes	□ No
	omas E		oves JR et als Graves Jr	Mailing Address 18600 Zachory Orange VH Phone No. 570 -		Landowner S Mome	ignature L. F. Vine, J
*□ I certi	fy that I have	authority to	sign for the la	andowner as indicated	by my title as exec	utor, Trustee or Po	wer of attorney, etc.
			official [or off tate or federal	icer] authorized to act agency, etc.	on behalf of the fo	llowing corporation	n, partnership,

Permittee:

Class B biosolids

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address:1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature Jeff Ocustor	
Title Technical Services Specialist	Phone No.: 804-443-2071	991 Can	

Other industrial sludges

Permittee: Synagro Central, LLC County or Cit	y :	: Orange
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Landowner: Thomas Edward Graves, JR et als

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

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	D	

Landowner's Signature

Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS							
A. This land application agreement is made on II-21">II-21 between Graves Family Ltd Partnership referred to here as "Landowner", and Synagro Central, LLC , referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.							
Landowner: The Landowner is the owner of record of the real property located in Orange Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.							
Table 1.: Parcels aut	horized to receive biosolids, w	vater treatment residuals or o	ther industrial sludges				
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID				
0620000000010							
1		90					
Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable) Check one: X The Landowner is the sole owner of the properties identified herein. The Landowner is one of multiple owners of the properties identified herein. In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and 2. Notify the Permittee of the sale within two weeks following property transfer. The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect. The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids Water treatment residuals Food processing waste Other industrial sludges X Yes No X Yes No							
Printed name: Graves Family Ltd Partnership By: Page Graves Family Ltd Partnership By: Page Graves Family Ltd Partnership By: Page Graves Family Ltd Partnership Phone No. 757632350/ * I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. *X I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.							
B							

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address:1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature Dwww.
Title Technical Services Specialist	Phone No.: 804-443-2071	3 - C 11/14

Permittee: Synagro Central, LLC	County or City: Orange
Landowner: Graves Family Ltd Partnership	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

DART DAVI-	LAND	APPLICATION	ACREEMENT	- BIOSOLIDS	AND INDI	ISTRIAL	RESIDITA	S

A. This land application agreement is made on				
Landowner: The Landowner is the owner of record of the real property located in agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.				
Table 1.: Parcels aut	horized to receive biosolids, w	ater treatment residuals or ot	her industrial sludges	
Tax Parcel ID	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	Tax Parcel ID	
07400 0000 0001F				
07400 0000 00270				
Additional parcels containing Land	Application Sites are identified on Sup	pplement A (check if applicable)		
Check one: Wa The La	ndowner is the sole owner of t ndowner is one of multiple ow	the properties identified herein ners of the properties identifie	n. ed herein.	
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and 2. Notify the Permittee of the sale within two weeks following property transfer. The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect. The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids X Yes □ No X Yes □ No Other industrial sludges X Yes □ No Other industrial sludges X Yes □ No Other industrial sludges				
Printed name: Mailing Address 18000 Ecchany Taylor Hwy By: Thomas E. Graves. JR Orange VA 22960 Title* Phone No. 540-854-5903 Landowner Signature Mailing Address 18000 Ecchany Taylor Hwy Morney E. James G. Phone No. 540-854-5903				
* I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.				
* l certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.				
Permittee: Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.				

Tappahannock, VA 22560

Phone No.: 804-443-2071

Mailing Address:1681 Tappahannock Blvd

Permittee- Authorized Representative

Printed name Jeff Douthit

Title Technical Services Specialist

Permittee: Synagro Central, LLC	County or City: Orange
Landowner: Thomas E Graves, JR	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Thomas	\mathcal{E} .	Grane	2	11/21/20 23
Landowner's Signatu	re		-0	Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS				
A. This land application agreement is made on Line 21 between Thomas Edward Graves Jr et als referred to here as "Landowner", and Synagro Central,LLC , referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.				
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying ow	of record of the real property clamation sites identified belowners, attached as Exhibit A.	located in <u>Orange Co.,</u> Virgwin Table 1 and identified on	ginia, which includes the the tax map(s) with county	
Table 1.: Parcels autl	horized to receive biosolids, w	rater treatment residuals or ot	her industrial sludges	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	<u>Tax Parcel ID</u>	
0730000000130				
0740000000010			1	
Additional parcels containing Land	Application Sites are identified on Su	pplement A (check if applicable)		
	ndowner is the sole owner of t ndowner is one of multiple ow			
 In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and 2. Notify the Permittee of the sale within two weeks following property transfer. 				
The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.				
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids Water treatment residuals Food processing waste Other industrial sludges X Yes No No X Yes No No No No No No No N				
Printed name: Thomas Edward Graves JR et als By: Channing Graves Orange VA 229 60 Title* Phone No. 540 - 718 - 1901				
*□ I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.				
* \sum Certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.				
Permittee:				

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address:1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature
Title Technical Services Specialist	Phone No.: 804-443-2071	Jeff Chush

Permittee: Synagro Central, LLC	County or City: Orange
Landowner: Thomas Edward Graves, JR et als	

Landowner Site Management Requirements:

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I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
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- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

11/21/23

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A *Land Application Agreement - Biosolids and Industrial Residuals* form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Synagro Central, LLC	
County or City: Orange (OR 05)	
Please Print	(Landowner signatures are not required on this page
Tay Parcel ID(s)	Landowner(s)

lease Print (Landowner signatures are not require		
Tax Parcel ID(s)	<u>Landowner(s)</u>	
0730000000130	THOMAS EDWARD GRAVES JR ET ALS	
	- THOMAS EDWARD GRAVES JR	
	- CHANNING GRAVES	
0740000000010	THOMAS EDWARD GRAVES JR ET ALS	
	- THOMAS EDWARD GRAVES JR	
	- CHANNING GRAVES	
074000000001A	THOMAS E GRAVES JR	
0740000000270	THOMAS E GRAVES JR	
0620000000010	GRAVES FAMILY LTD PARTNERSHIP	
	C/O PAGE GRAVES NESTOR	

Rev 10/03/2024

TAX ID LANDOWNER IDENTIFICATION SHEET

Landowner	Field Number	Tax ID
Graves Family Ltd Partnership	05-01	06200000000010
Thomas E. Graves, Jr et als	05-02	0730000000130
Thomas E. Graves, Jr et als	05-03	0730000000130
Thomas E. Graves, Jr et als	05-04	0730000000130
Thomas E. Graves, Jr et als	05-05	0730000000130
Thomas E. Graves, Jr et als	05-06	0730000000130
Thomas E. Graves, Jr et als	05-07	0730000000130
Thomas E. Graves, Jr et als	05-08	0730000000130
Thomas E. Graves, Jr et als	05-09	0730000000130
Thomas E. Graves, Jr et als	05-10	0730000000130
Thomas E. Graves, Jr et als	05-11	07400000000010
Thomas E. Graves, Jr et als	05-12	07400000000010
Thomas E. Graves, Jr et als	05-13	07400000000010
Thomas E. Graves, Jr	05-16	07400000000027
Graves Family Ltd Partnership	05-20	06200000000010
Graves Family Ltd Partnership	05-21	06200000000010
Graves Family Ltd Partnership	05-22	06200000000010
Graves Family Ltd Partnership	05-23	06200000000010
Graves Family Ltd Partnership	05-24	06200000000010
Graves Family Ltd Partnership	05-25	06200000000010
Graves Family Ltd Partnership	05-26	06200000000010
Thomas E. Graves, Jr et als	05-27	07400000000010
Thomas E. Graves, Jr	05-28	074000000001A

Page 1 of 2 06/08/2024

Parcel Record Numi	per (PRN) 15205 Town/District TAYLOR	Туре	Current Value	Previous Value
Account Name	GRAVES, THOMAS EDWARD JR ET ALS	Land Use	\$315,500	\$315,500
Account Name2		Land	\$1,091,300	\$1,091,300
Care Of		Main	40	**
Address1	18000 ZACHARY TAYLOR HWY	Structures	\$0	\$0
Address2		Other	\$0	\$0
City, State Zip	ORANGE, VA 22960	Structures	,-	
Business Name		TOTALS	\$1,091,300	\$1,091,300

Location Address(es) 23455 THORNHILL RD

Map Number

Map Insert Double Circle Block Parcel Number 07300 00 00 00130

Total Acres 620.65

Deed NONE

Additional Deed

Will WB-2013-4742

Plat NONE

Additional Plat

Route

Legal Desc 1 73-13 GREEN

Legal Desc 2

Zoning A; AGRICULTURAL

State Class AGR/UNDEV 100 UP ACR

Topology STEEP UP Utilities NONE

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
GRAVES, VIOLET P ET ALS	\$0	WILL BOOK-2013- 4742		2	06/12/2013
	\$0	OLD WILL BOOK-61-		1	06/24/1999

Parcel Record Numb	er (PRN) 15339 Town/District TAYLOR	Туре	Current Value	Previous Value
Account Name	GRAVES, THOMAS E JR	Land Use	\$99,000	\$99,000
Account Name2		Land	\$315,300	\$315,300
Care Of		Main		
Address1	18000 ZACHARY TAYLOR HWY	Structures	\$235,300	\$235,300
Address2		Other	\$5,100	\$5,100
City, State Zip	ORANGE, VA 22960	Structures	42,100	42,700
Business Name		TOTALS	\$555,700	\$555,700

Location Address(es) 18000 ZACHARY TAYLOR HWY

Map Number

Map Insert Double Circle Block Parcel Number 07400 00 00 00270

Total Acres 97.78

Deed NONE

Additional Deed

Will NONE
Plat NONE

Additional Plat

Route

Legal Desc 1 74-27 GREEN

Legal Desc 2

Zoning A; AGRICULTURAL

State Class AGR/UNDEV 20-99 ACR

Topology SLOPES UP
Utilities NONE

Sales History

Grantor Sale Price Instrument Supporting Document Number of Tracts Sale Date

No data to display

Parcel Information

Parcel Record Numb	er (PRN) 15299 Town/District TAYLOR	Type	Current Value	Previous Value
Account Name	GRAVES, THOMAS EDWARD JR ET ALS	Land Use	\$141,000	\$141,000
Account Name2		Land	\$532,800	\$532,800
Care Of		Main	A 4 600	* 4.500
Address1	18000 ZACHARY TAYLOR HWY	Structures	\$4,600	\$4,600
Address2		Other	\$3,700	\$3,700
City, State Zip	ORANGE, VA 22960	Structures	, - •	
Business Name		TOTALS	\$541,100	\$541,100

Assessed Values

Location Address(es) 17416 ZACHARY TAYLOR HWY

Map Number

Map Insert Double Circle Block Parcel Number 07400 00 00 00010

Total Acres

202,106

Deed

NONE

Additional Deed

Will

WB-2013-4742

Plat

NONE

Additional Plat

Route

Legal Desc 1

74-1 ZA

Legal Desc 2

Zoning

A; AGRICULTURAL

State Class

AGR/UNDEV 100 UP ACR

Topology

SLOPES UP

Utilities

NONE

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Iracts	Sale Date
GRAVES, VIOLET P ET ALS	\$0	WILL BOOK-2013- 4742		2	06/12/2013
	\$0	OLD WILL BOOK-67- 767		1	06/24/1999

Parcel Information

Parcel Record Number	er (PRN) 15297 Town/District TA	YLOR Type	Current Value	Previous Value
Account Name	GRAVES, THOMAS E JR	Land Use	\$11,900	\$11,900
Account Name2		Land	\$67,000	\$67,000
Care Of		Main	40	**
Address1	18000 ZACHARY TAYLOR HWY	Structures	\$0	\$0
Address2		Other	\$0	\$0
City, State Zip	ORANGE, VA 22960	Structures	•	·
Business Name		TOTALS	\$67,000	\$67,000

Assessed Values

Location Address(es) 0 ZACHARY TAYLOR HWY

Map Number

Map Insert Double Circle Block Parcel Number 07400 00 00 0001A

Total Acres

16.743

Deed

DB-333-219

Additional Deed

Will

NONE

Plat

NONE

Additional Plat

Route

Legal Desc 1

74-1A

Legal Desc 2

Zoning

A; AGRICULTURAL

State Class

SINGLE FAMILY SUBURB

Topology

ROLLING /SLOPING

Utilities

NONE

Sales History

Grantor

Sale Price Instrument

Supporting Document Number

Number of Tracts

Sale Date

No data to display

Parcel Information

Assessed Values

Parcel Record Numb	per (PRN) 13515 Town/District TAYLOR	Туре	Current Value	Previous Value
Account Name	GRAVES FAMILY LIMITED PARTNERSHIP	Land Use	\$162,700	\$162,700
Account Name2		Land	\$612,500	\$612,500
Care Of	C/O PAGE NESTOR	N.AIII		
Address1	2909 ERIKSEN CT	Main Structures	\$300,200	\$300,200
Address2		Other	£4.000	\$4,800
City, State Zip	VIRGINIA BEACH, VA 23451	Structures	\$4,800	\$4,800
Business Name		TOTALS	\$917,500	\$917,500

Location Address(es) 24290 LAHORE RD

Map Number

Map Insert Double Circle Block Parcel Number 06200 00 00 00010

Total Acres

232.0

Deed

DG-579-638

Additional Deed

Will

NONE

Plat

NONE

Additional Plat

Route

Legal Desc 1

62-1 GRAVES

Legal Desc 2

Zoning

A; AGRICULTURAL

State Class

AGR/UNDEV 100 UP ACR

Topology

STEEP UP

Utilities

NONE

Sales History

Grantor

Sale Price Instrument

Supporting Document Number

Number of Tracts

Sale Date

No data to display

Latitude (North)	Longitude (West)
38.196°	-77.952°
38.159°	-77.968°
38.156°	-77.967°
38.162°	-77.964°
38.155°	-77.966°
38.158°	-77.963°
38.160°	-77.960°
38.155°	-77.961°
38.153°	-77.958°
38.157°	-77.947°
38.159°	-77.939°
38.159°	-77.938°
38.163°	-77.932°
38.159°	-77.932°
38.198°	-77.956°
38.202°	-77.952°
38.199°	-77.955°
38.198°	-77.952°
38.196°	-77.950°
38.192°	-77.954°
38.193°	-77.950°
38.161°	-77.932°
38.162°	-77.930°
	38.196° 38.159° 38.156° 38.155° 38.155° 38.155° 38.155° 38.157° 38.157° 38.159° 38.159° 38.163° 38.159° 38.198° 38.198° 38.198° 38.198° 38.198° 38.198° 38.198° 38.198° 38.198° 38.198° 38.196° 38.192° 38.193° 38.161°

Haul Route:

The Location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state, and local granted STAA access routes.

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^{*}Latitude and Longitude are a random point determined by ArcView program

<u>PIN</u>	OWNER	<u>ADDRESS</u>	CITY/ST/ZIP	STATE	<u>ZIP</u>
048000000018A	UNIONVILLE FARM LLC	25107 ORANGE SRPINGS RD	UNIONVILLE	VA	22567
06100000000200	BURRUSS, ROBERT L JR	18242 CONSTITUTION HWY	ORANGE	VA	22960
06100000000210	MACEDONIA CHRISTIAN CHURCH	24077 LAHORE RD	ORANGE	VA	22960
06100000000220	MORRIS, LORETTA	P O BOX 261	ORANGE	VA	22960
0610000000022A	MORRIS, MICHAEL SR	P O BOX 261	ORANGE	VA	22960
06100000000250	OLIVER, J ANDREW	21280 PINEY WOODS RD	ORANGE	VA	22960
06100000000260	COLEMAN, MORTON DILLARD III	24467 CENTER HILL LN	ORANGE	VA	22960
06100000000340	CORCORAN, DAVID MICHAEL TRUST	4206 STANFORD ST	CHEVY CHASE	MD	20815
06100000000370	SMITH, WALTER WILLIAM	17144 MARQUIS RD	ORANGE	VA	22960
06100000000400	SWART, FRED L & WILMA A TRUSTEE	17085 MARQUIS ROAD	ORANGE	VA	22960
06100000000400	SWART, FRED L & WILMA A TRUSTEE	17085 MARQUIS ROAD	ORANGE	VA	22960
06200000000020	UNIONVILLE FARM LLC	25107 ORANGE SRPINGS RD	UNIONVILLE	VA	22567
0620000000190	DENSLOW, VICKY J	18140 ZACHARY TAYLOR HWY	ORANGE	VA	22960
06200000000210	ARCO, DEBBIE J	18140 ZACHARY TAYLOR HWY	ORANGE	VA	22960
06200000000220	WHITLOCK, HERBERT L JR & PAMELA K	17024 GRASTY LN	ORANGE	VA	22960
06200000000230	BEAVERS, JAMES RICHARD &	172 CROPP RD	FREDERICKSBURG	VA	22406
0620000000023F	BUTLER, C WAYNE	2140 SIZER RD	BEAVERDAM	VA	23015
06200000000240	TERRILL, JAMES BARBOUR	15491 GRASTY LN	ORANGE	VA	22960
0620000000025A	SMITH, RONALD W & TRUDY C	15394 GRASTY LN	ORANGE	VA	22960
0620000000025C	LOVEDAY, BENJAMIN L & LAURA B	24465 CENTER HILL LN	ORANGE	VA	22960
0620000000025E	LOVEDAY, BENJAMIN L & LAURA B	24465 CENTER HILL LN	ORANGE	VA	22960
0620000000025F	SMITH, GERTRUDE COLEMAN	15394 GRASTY LANE	ORANGE	VA	22960
0730000000006A	VAN HOVEN, EDUWARD M & GWENDOLEN L	23261 THORNHILL RD	ORANGE	VA	22960
07300000000120	VAN HOVEN, EDUWARD M & GWENDOLEN L	23261 THORNHILL RD	ORANGE	VA	22960
0730000000140	GREDLER, MICHAEL E & JOYCE F	23341 THORNHILL RD	ORANGE	VA	22960
0730000000150	WRIGHT, JOHN CALVIN & MILDRED E	23340 THORNHILL RD	ORANGE	VA	22960
0730000000026A	ALMOND, NATHAN BARTLEY	23514 THORNHILL RD	ORANGE	VA	22960
0730000000026B	GREEN PASTURES FARM LLC	23514 THORNHILL RD	ORANGE	VA	22960
0730000000026D	GREEN PASTURES FARM LLC	23514 THORNHILL RD	ORANGE	VA	22960
0730000000026E	GREEN PASTURES FARM LLC	23514 THORNHILL RD	ORANGE	VA	22960
0740000000001B	FINES, NATALIE G	323 ELLERY CT	FREDERICKSBURG	VA	22408

Page 1 of 2

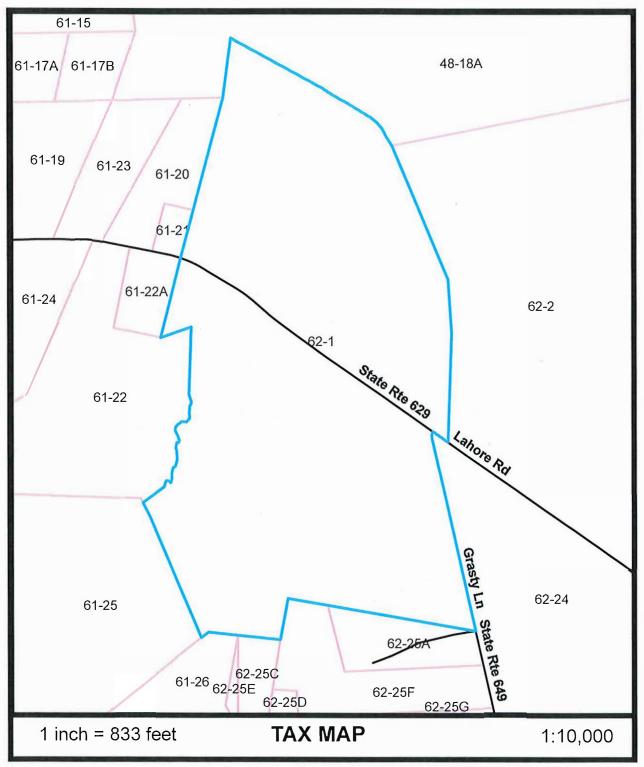
<u>PIN</u>	<u>OWNER</u>	<u>ADDRESS</u>	CITY/ST/ZIP	STATE	<u>ZIP</u>
07400000000230	JONES, BRENDA J	18140 ZACHARY TAYLOR HWY	ORANGE	VA	22960
0740000000023B	JONES, BRENDA J	18140 ZACHARY TAYLOR HWY	ORANGE	VA	22960
07400000000260	GRAVES, THOMAS E JR	18000 ZACHARY TAYLOR HWY	ORANGE	VA	22960
07400000000280	GREEN, KATHRYN S	P O BOX 114	UNIONVILLE	VA	22567
0740000000028A	GREEN, KATHRYN S	P O BOX 114	UNIONVILLE	VA	22567

LAKE ANNA DB 251

Page 2 of 2 05/29/2024



Thomas E Graves,Jr OR 05 Fields 01, 20-26

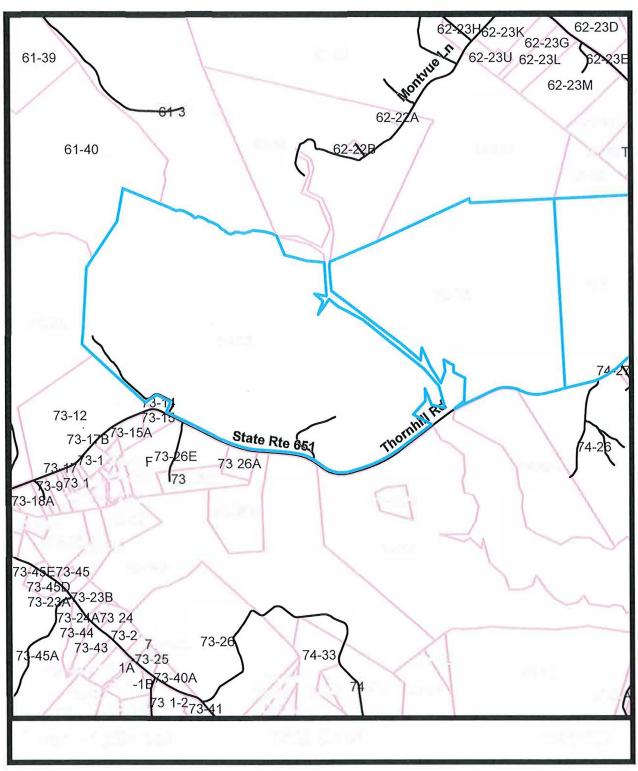


06/08/2024

Disclaimer: Information shown on these maps are derived from public records that are constantly undergoing change and do not replace a site survey, and is not warranted for content or accuracy. The County does not guarantee the positional or thematic accuracy of the GIS data. The GIS data or cartographic digital files are not legal representation of any of the features in which it depicts, and disclaims any assumption of the legal status of which it represents.





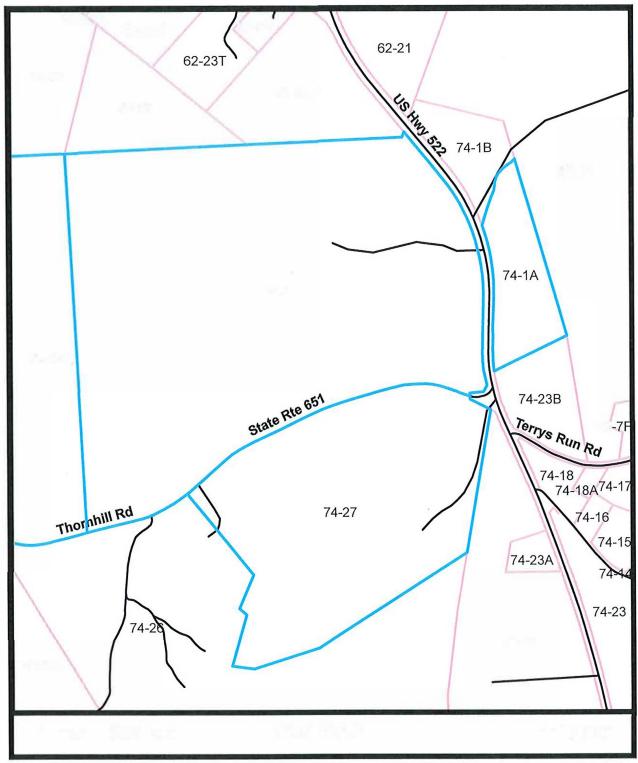


06/08/2024

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SYNAGRO



06/08/2024

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Farm Summary Report

Plan: New Plan Fall, 2024 - Winter, 2025

Farm Name: OR 05 Location: Orange

Specialist: Jeffery R Douthit

N-based Acres: 515.7 P-based Acres: 0.0

Tract Name: OR 05 FSA Number: 0

Location: Orange

Field Name: 05-01

Total Acres: 34.20 Usable Acres: 34.20

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SOIL SERIES SYMBOL 6 BrC Bremo 7 BrD Bremo 4 FIB2 Fluvanna 28 Lloyd LIB2 8 LmC3 Lloyd 22 MvC2 Mecklenburg 10 OrA Iredell Orange 6 OrB Iredell Orange 9 WoB Worsham

Field Warnings:

Page 1 of 23 06/05/2024

Total Acres: 29.30 Usable Acres: 29.30

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT	SYMBOL		SOIL SERIES
6	ApB	Appling	
5	ApB2	Appling	
12	ApC2	Appling	
24	CeB2	Cecil	
19	CsC3	Cecil	
3	GrC2	Grover	
11	GsC3	Grover	
4	LIB2	Lloyd	
2	SeB	Seneca	1
1	VaB	Vance	
10	WkC	Wilkes	
3	MdC3	Madiso	n

Field Warnings:

Page 2 of 23 06/05/2024

Total Acres: 22.20 Usable Acres: 22.20

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT	SYMBO	DL	SOIL SERIES
22	ApB	Appling	
15	ApB2	Appling	
20	ApC2	Appling	
2	CeB2	Cecil	
13	CeC2	Cecil	
2	CsC3	Cecil	
5	CxB	Colfax	
3	GrC2	Grover	
4	MaB2	Madiso	n
14	VaB	Vance	

Field Warnings:

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Total Acres: 23.60 Usable Acres: 23.60

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT	SYMBO)L	SOIL SERIES
11	CeB2	Cecil	
3	CeC2	Cecil	
2	CsC3	Cecil	
1	Cw	Chewa	cla
7	EsC2	Elsinbo	ro
21	LIB2	Lloyd	
11	LmC3	Lloyd	
10	LoD2	Louisbu	ırg
8	MaC2	Madiso	n
17	MdC3	Madiso	n
8	WkD	Wilkes	
1	WoB	Worsha	am

Field Warnings:

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Total Acres: 13.90 Usable Acres: 13.90

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** Colfax 8 CxB 41 GrB2 Grover 8 MaB2 Madison 15 Vance VaB Wilkes 28 WkC

Field Warnings:

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05-06

Field Name: Total Acres: 20.50 Usable Acres: 20.50

FSA Number: 0 OR 05 Tract:

Location: Orange

Slope Class: C Hydrologic Group: В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	Р	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMB	OL	SOIL SERIES
6	CxB	Colfax	
11	GrB2	Grover	
30	LoD	Louisbu	ırg
19	LoD2	Louisbu	ırg
12	MaB2	Madiso	n
21	WkC	Wilkes	
1	WkD	Wilkes	

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with percent slope in excess of 15%

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Field Name: 05-07
Total Acres: 5.70 Usable Acres: 5.70

FSA Number: 0 OR 05 Tract:

Location: Orange

Slope Class: C Hydrologic Group: В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

Κ DATE PΗ Ρ Lab [NO TEST]

Soils:

PERCENT	SYMBO	OL SOIL SERIES
2	Cw	Chewacla
1	CxB	Colfax
24	LoD	Louisburg
26	MaB2	Madison
33	MdC3	Madison
11	WkD	Wilkes
3	WoB	Worsham

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with percent slope in excess of 15%

Page 7 of 23 06/05/2024

Total Acres: 8.60 Usable Acres: 8.60

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES
56 GrC2 Grover
4 LoD2 Louisburg
6 MaB2 Madison
23 MaC2 Madison
11 WkD Wilkes

Field Warnings:

Page 8 of 23 06/05/2024

Total Acres: 32.80 Usable Acres: 32.80

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT	SYMB	OL	SOIL SERIES
8	AIB	Altavista	a
5	AuB	Augusta	1
27	GrB2	Grover	
24	GrC2	Grover	
17	LoC2	Louisbu	rg
6	LoD	Louisbu	rg
10	MaB2	Madisor	า
2	SeB	Seneca	
1	We	Wehadk	(ee

Field Warnings:

Page 9 of 23 06/05/2024

Total Acres: 14.20 Usable Acres: 14.20

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT	SYMB	OL SOIL SERIES
24	GrB2	Grover
23	GrC2	Grover
4	GsC3	Grover
18	HwC3	Hiwassee
1	LoD	Louisburg
12	MsC2	Masada
4	Mx	Mixed alluvial land
14	SeB	Seneca

Field Warnings:

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Total Acres: 25.30 Usable Acres: 25.30

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** 26 GrB2 Grover 35 GrC2 Grover 14 LoC Louisburg 2 Louisburg LoD 20 MaB2 Madison 3 MaC2 Madison

Field Warnings:

Page 11 of 23 06/05/2024

Total Acres: 46.50 Usable Acres: 46.50

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	Ρ	K	Lab
[NO TEST]			

Soils:

PERCENT	SYMBO	OL SOIL SERIE	ES
7	GrB2	Grover	
30	GrC2	Grover	
23	LoC	Louisburg	
13	LoD	Louisburg	
10	MaB2	Madison	
2	MaC2	Madison	
12	Mx	Mixed alluvial land	
3	SeB	Seneca	

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Soils with percent slope in excess of 15%

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Total Acres: 23.20 Usable Acres: 23.20

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** GrB2 Grover 36 57 GrC2 Grover 1 HeB Helena 3 Louisburg LoC 3 MaB2 Madison

Field Warnings:

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Total Acres: 54.90 Usable Acres: 54.90

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT	SYMBO	DL	SOIL SERIES
9	CxB	Colfax	
24	GrB2	Grover	
42	GrC2	Grover	
6	LoC	Louisbu	ırg
1	LoD	Louisbu	ırg
6	MaB2	Madiso	n
3	MaC2	Madiso	n
	Mx	Mixed a	alluvial land
3	SeB	Seneca	1
3	VaB	Vance	

Field Warnings:

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Field Name: 05-20 Total Acres: 10.90 Usable Acres: 10.90

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: С

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

Κ DATE PΗ Ρ Lab [NO TEST]

Soils:

•				
	PERCENT	SYMBO	DL	SOIL SERIES
	25	BrC	Bremo	
	29	BrD	Bremo	
	19	FIB2	Fluvanr	na
	1	MvB2	Meckle	nburg
	1	MvC2	Meckle	nburg
	25	WoB	Worsha	ım

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with percent slope in excess of 15%

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Total Acres: 7.00 Usable Acres: 7.00

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

6 Eb Elbert 46 OrA Iredell Orange 48 OrB Iredell Orange

Field Warnings:

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Total Acres: 16.50 Usable Acres: 16.50

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** 33 BrC Bremo 15 FIB2 Fluvanna 38 OrA Iredell Orange 12 Iredell Orange OrB2 2 Worsham WoB

Field Warnings:

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Total Acres: 39.40 Usable Acres: 39.40

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** 10 Bremo BrC 2 Eb Elbert 19 FIB2 Fluvanna 7 Lloyd LIB2 Iredell Orange 57 OrB2 5 WoB Worsham

Field Warnings:

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Total Acres: 8.80 Usable Acres: 8.80

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** Elbert 1 Eb 15 FIB2 Fluvanna 29 OrA Iredell Orange Iredell Orange 31 OrB 24 Worsham WoB

Field Warnings:

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Total Acres: 26.90 Usable Acres: 26.90

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** Bremo 6 BrD 6 Chewacla Cw 24 LIB2 Lloyd LmC3 Lloyd 4 MvC2 Mecklenburg 40 20 WkC Wilkes

Field Warnings:

Page 20 of 23 06/05/2024

Total Acres: 22.00 Usable Acres: 22.00

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** Bremo 8 BrC 11 Eb Elbert 12 FIB2 Fluvanna 42 Lloyd LIB2 6 Mecklenburg MvB2 15 MvC2 Mecklenburg 6 OrA Iredell Orange

Field Warnings:

Page 21 of 23 06/05/2024

Total Acres: 20.90 Usable Acres: 20.90

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL **SOIL SERIES** 2 Colfax CxB 43 GrB2 Grover 40 GrC2 Grover 8 Louisburg LoC 4 MaB2 Madison 3 Vance VaB

Field Warnings:

Page 22 of 23 06/05/2024

Total Acres: 8.40 Usable Acres: 8.40

FSA Number: 0 Tract: OR 05

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

27 GrB2 Grover
68 GrC2 Grover
5 MaB2 Madison

Field Warnings:

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ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
05-01	High Water Table (Map Units OrA, OrB & WoB - 25%) Leaching (Map Units BrC & BrD - 13%)
05-02	None
05-03	None
05-04	High Water Table (Map Units Cw & WoB - 2%) Frequent Flooding (Map Unit Cw - 1%) Leaching (Map Unit LoD2 - 10%)
05-05	High Water Table (Map Unit CxB - 8%)
05-06	High Water Table (Map Unit CxB - 11%) Leaching (Map Units LoD & LoD2 - 49%)
05-07	High Water Table (Map Units Cw, CxB & WoB - 6%) Frequent Flooding (Map Unit Cw - 2%) Leaching (Map Unit LoD - 24%)
05-08	Leaching (Map Unit LoD2 - 4%)
05-09	High Water Table (Map Units AuB & We - 6%) Frequent Flooding (Map Unit We - 1%) Leaching (Map Units LoC2 & LoD - 22%)
05-10	Leaching (Map Unit LoD - 1%)
05-11	Leaching (Map Units LoC & LoD - 16%)
05-12	Leaching (Map Units LoC & LoD - 36%)
05-13	Leaching (Map Unit LoC - 3%)
05-16	High Water Table (Map Unit CxB - 9%) Leaching (Map Units LoC & LoD - 7%)
05-20	High Water Table (Map Unit WoB - 25%) Leaching (Map Units BrC & BrD - 54%)
05-21	High Water Table (Map Units Eb, OrA & OrB2 - 100%)

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ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
05-22	High Water Table (Map Units OrA, OrB2 & WoB - 52%) Leaching (Map Unit BrC - 33%)
05-23	High Water Table (Map Units Eb, OrB2 & WoB - 66%) Leaching (Map Unit BrC - 10%)
05-24	High Water Table (Map Units Eb, OrA, OrB & WoB - 85%)
05-25	High Water Table (Map Unit Cw - 6%) Frequent Flooding (Map Unit Cw - 6%) Leaching (Map Unit BrD - 6%)
05-26	High Water Table (Map Units Eb & OrA - 17%) Leaching (Map Unit BrC - 8%)
05-27	High Water Table (Map Unit CxB - 2%) Leaching (Map Unit LoC - 8%)
05-28	None

Page 2 of 3 06/08/2024

Orange County Soils that are Environmentally Sensitive

Soil Map Unit			Time of year	•
•		High Water	Flooded	Environmental
Ab	Albano	Nov-March		
AuA, AuB	Augusta	Dec-May		
Be	Bermudian		Nov-March	
Во	Bowmansville	Sept-May	Sept-May	Drainage
BrC, BrD	Bremo			Leaching
Bw	Buncombe			Leaching
CaB, CaC	Calverton	Dec-May		
CbB, CcC, CcD	Catoctin			Shallow
Cw	Chewacla	Nov-April	Nov-April	
СхВ	Colfax	Nov-June		
Eb, Ee	Elbert	Nov-May		
HaC, HaD	Hazel			Shallow
KID, KIE	Klinesville			Shallow
LgB	Lignum	Dec-May		
LoC, LoC2, LoD, LoD2	Louisburg			Leaching
MoD	Manor			Leaching
MrB, MrC, MrD, MrE	Manteo			Shallow
OgA, OgB, OgB2, OgC2	Orange	Dec-May		
OrA, OrB, OrB2	Orange	Dec-May		
PkC, PkD	Pinkston			Leaching
Rk	Roanoke	Nov-May		
Rw	Rowland	Nov-May		
WbB, WbC, WbD	Watt	·		Shallow
We	Wehadkee	Nov-May	Nov-June	
WoB	Worsham	Nov-April		

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Map Legend



House/Dwelling with a well

- 200' buffer-dwelling (with conditions for reduction)
- 100' buffer- from well



Rock Outcrop

- 25' buffer



Limestone Outcrop/Closed Sinkhole

- 50' buffer



Well/Spring/Open Sinkhole

- 100' buffer



Lake/Pond

- 35' w/vegetative buffer; 100' without vegetative buffer



Slope which exceeds 15%



Publicly Accessible Site/Odor Sensitive Site

- 200' buffer Publicly Accessible Site Property Line
- 400' buffer Odor Sensitive Site



Stream/River

- 35' w/vegetative buffer; 100' without vegetative buffer



Agricultural/Drainage Ditch

- 10' buffer



Roadway

- 10' improved highway buffer



Field Boundary

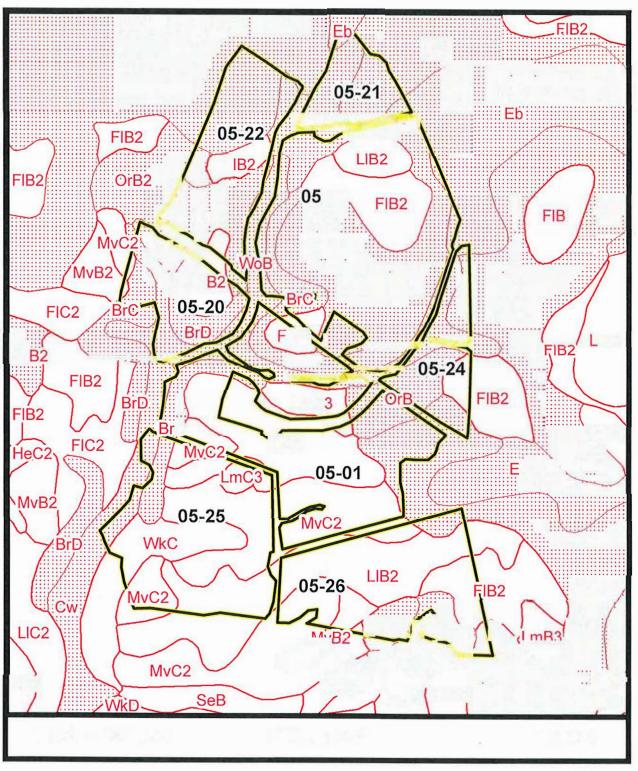


Property Line

- 100' buffer unless waiver issued



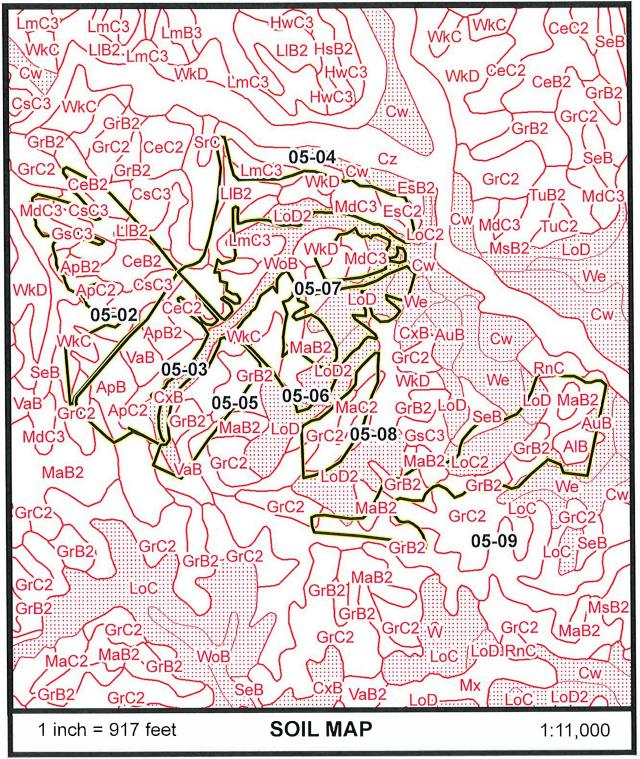
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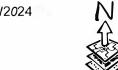




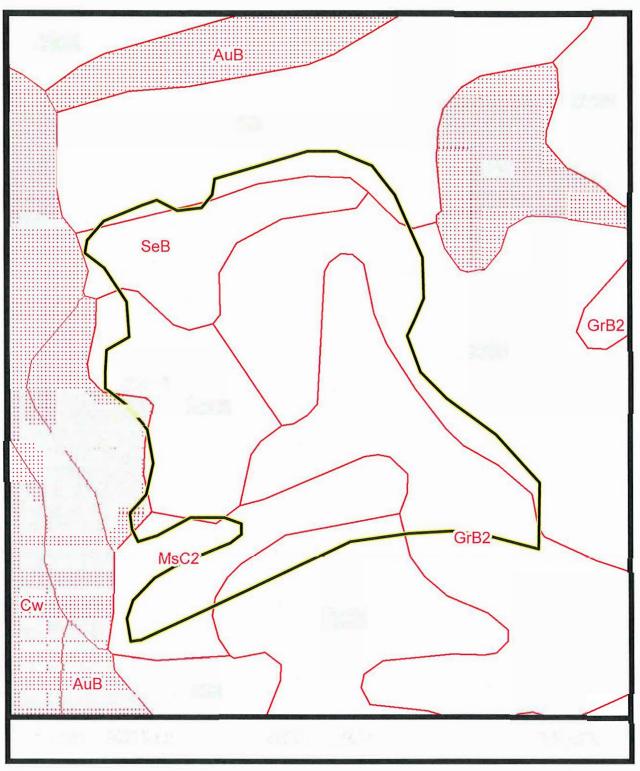
Thomas E Graves,Jr OR 05 Fields 02-09







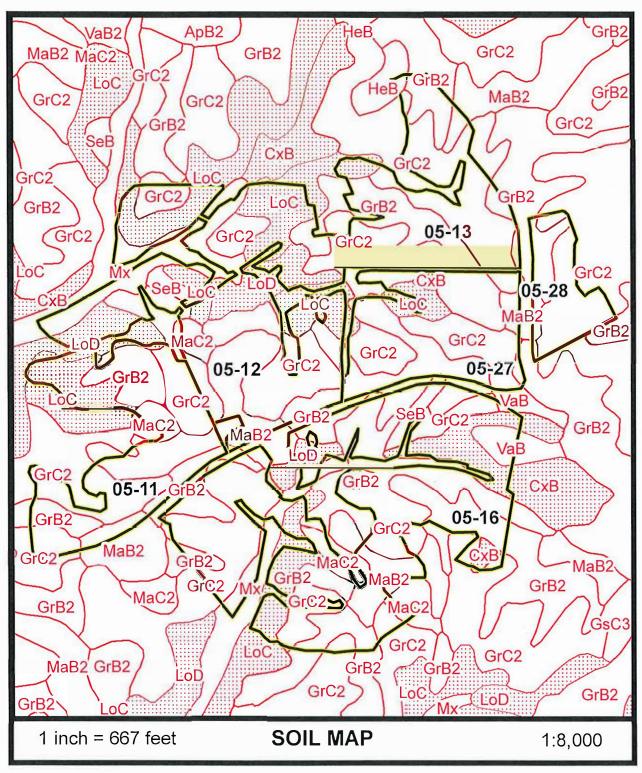








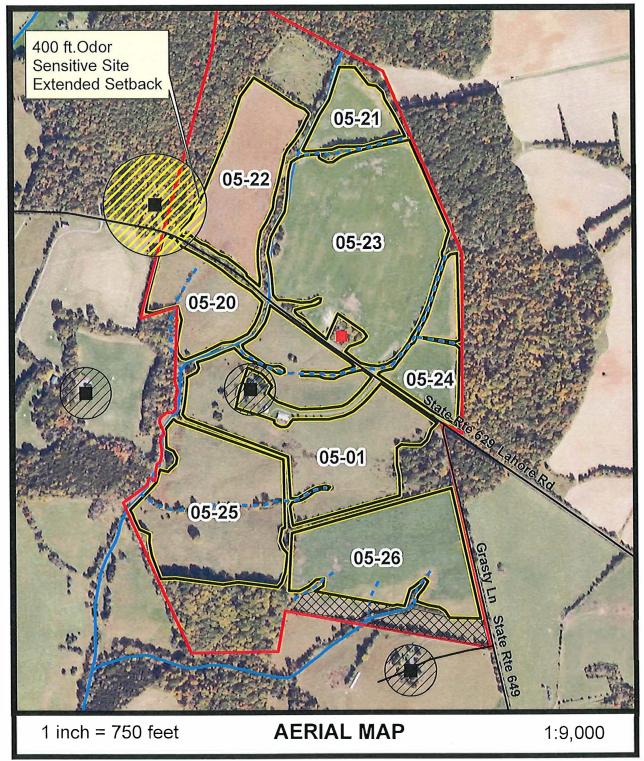
Thomas E Graves,Jr OR 05 Fields 11-13, 16, 27, 28







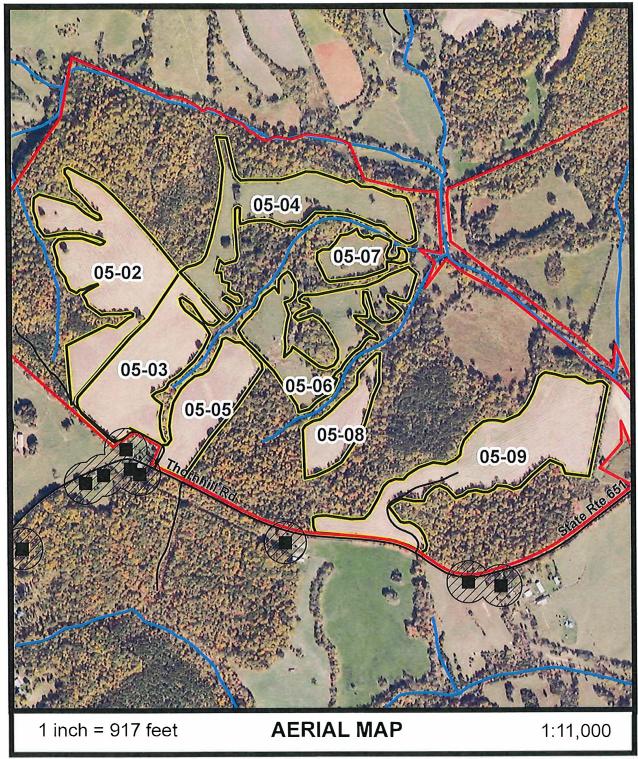
Thomas E Graves,Jr OR 05 Fields 01, 20-26



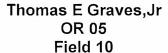




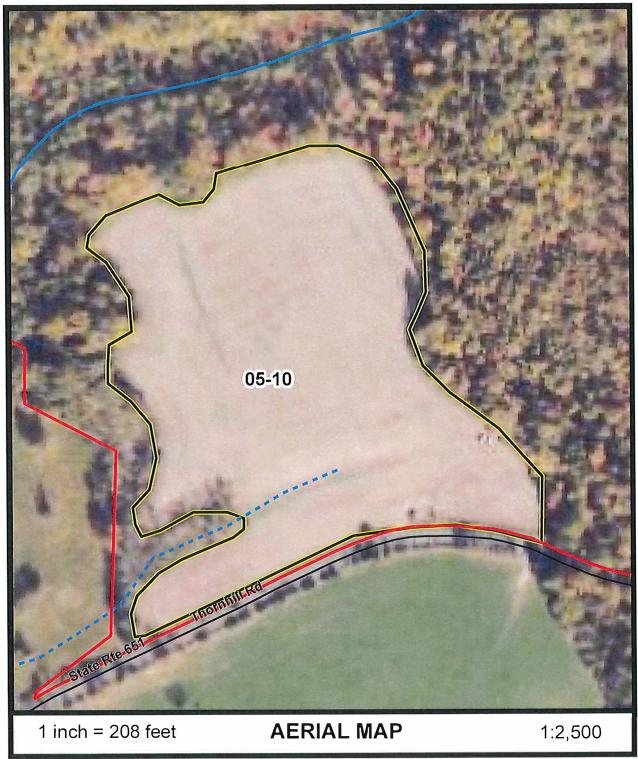
Thomas E Graves,Jr OR 05 Fields 02-09







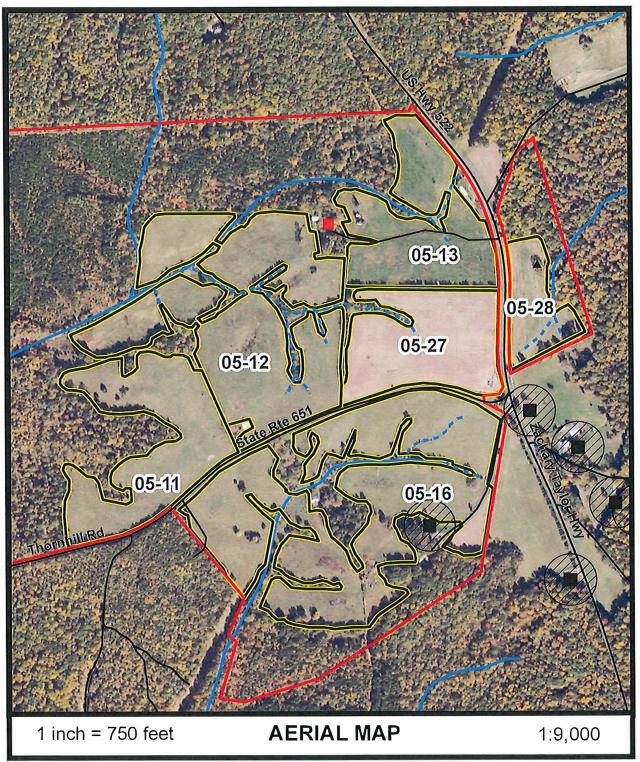
SYNAGRO





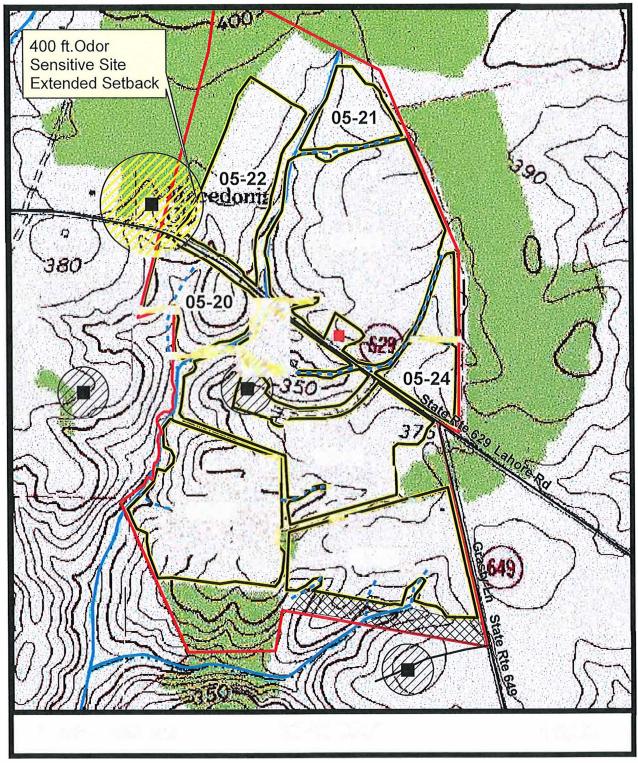


Thomas E Graves,Jr OR 05 Fields 11-13, 16, 27, 28





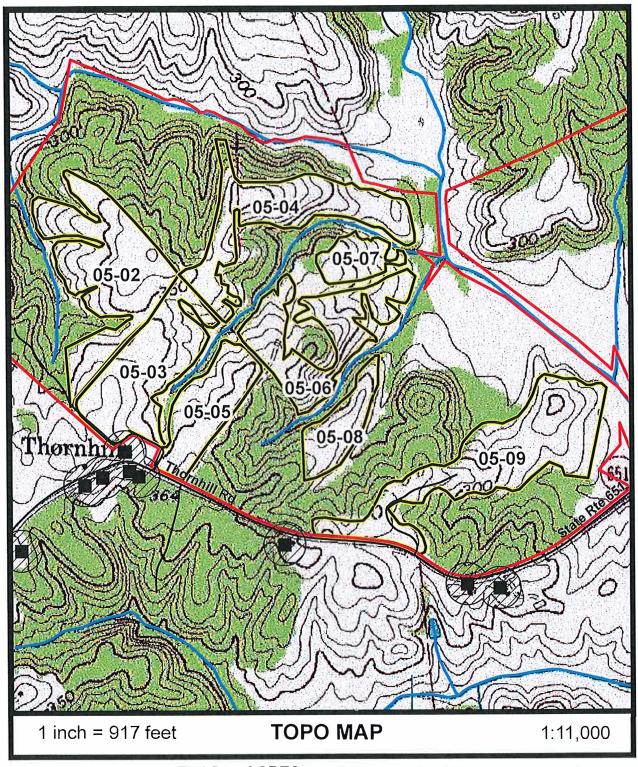
AGRO



N

SYNAGRO

Thomas E Graves,Jr OR 05 Fields 02-09



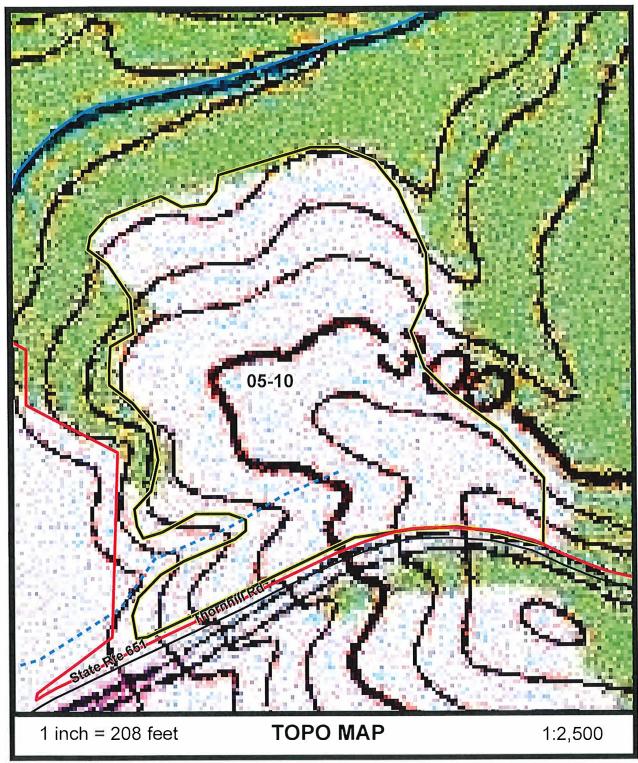
FIELD	ACRES	FIELD	ACRES
05-02	29.3	05-06	20.5
05-03	22.2	05-07	5.7
05-04	23.6	05-08	8.6
05-05	13.9	05-09	32.8







Thomas E Graves,Jr OR 05 Field 10

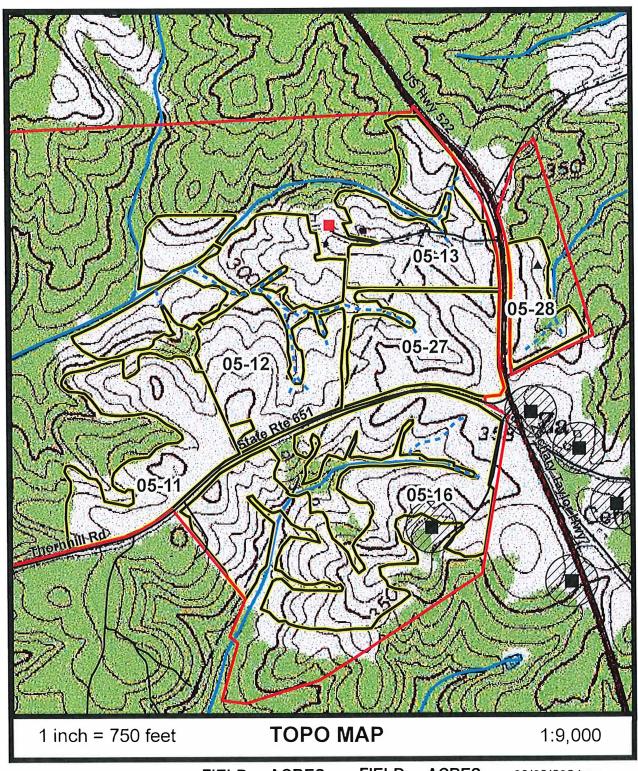


FIELD ACRES 05-10 14.2





Thomas E Graves,Jr OR 05 Fields 11-13, 16, 27, 28

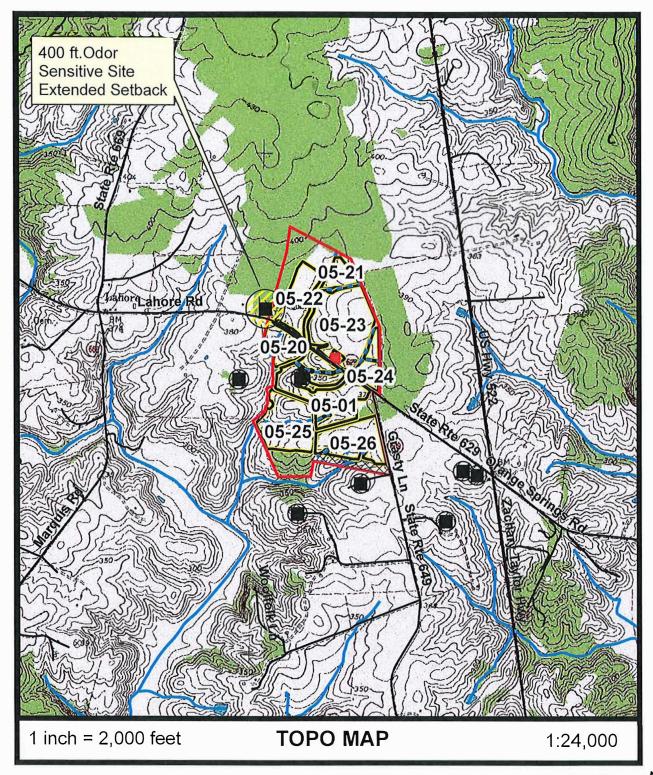


FIELD	ACRES	FIELD	ACRES	06/08/2024
05-11	25.3	05-16	54.9	
05-12	46.5	05-27	20.9	
05-13	23.2	05-28	8.4	





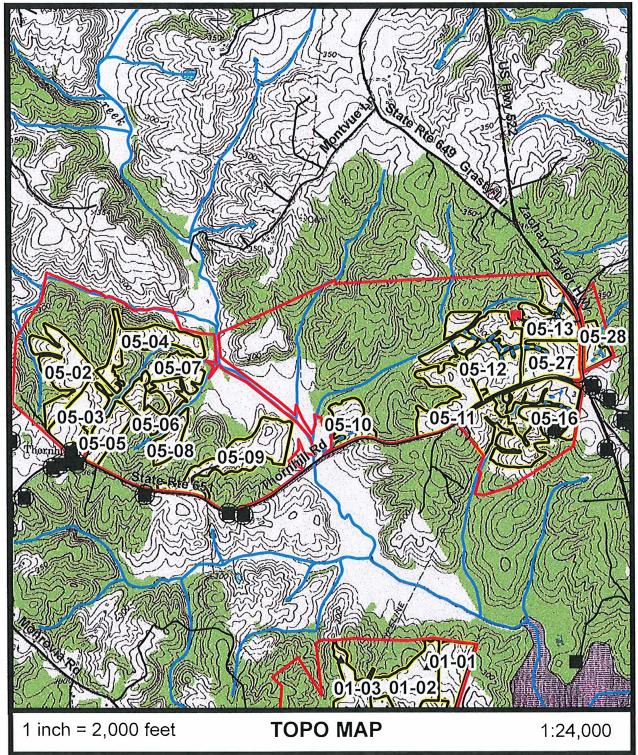
Thomas E Graves,Jr OR 05 Fields 01, 20-26



2024



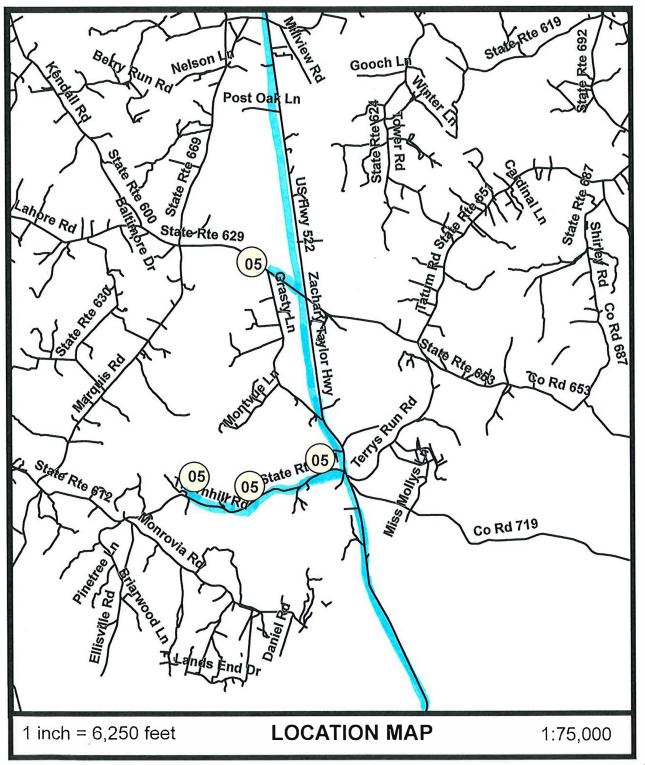
Thomas E Graves,Jr OR 05 Fields 02-13, 16, 27, 28



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SYNAGRO

Thomas E Graves,Jr OR 05 Field 10

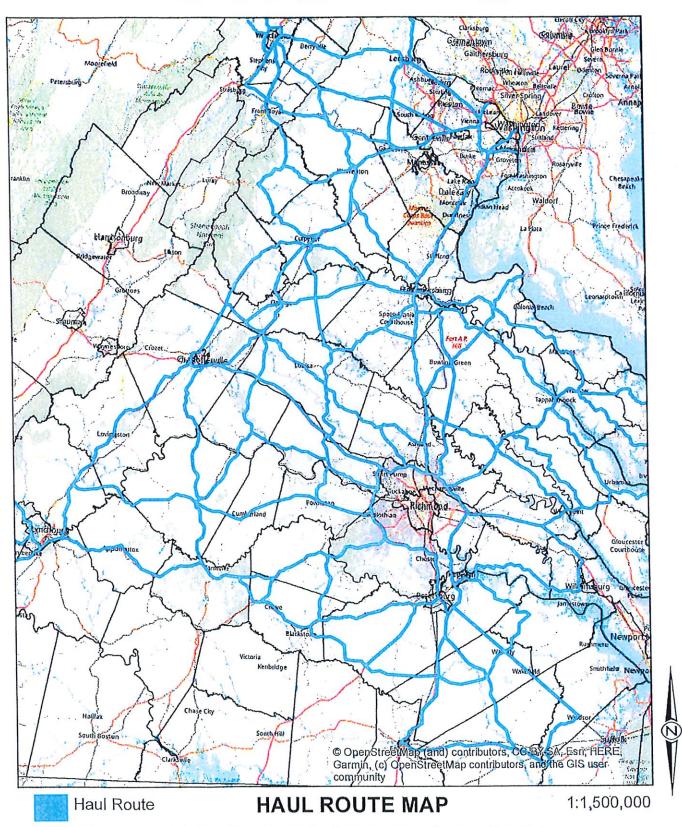








SYNAGRO



This map highlights all major routes from approved generators to the locations of permitted sites. The Highlighted routes on the Location Map will pinpoint routes closer to the site.