



United States Department of Agriculture Farm Service Agency

Farm: 3292 Tract: 7863 **Accomack County**

1:4,800

March 22, 2019

disimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.





Farm: 3292, 5055 Tract: 7863, 7468, 7566

Dublin Farms F3292 Glenn Neal F5055

Field 1: 27.5 Field 2: 0.5

Field 1: 24.8 Field 2: 35.5

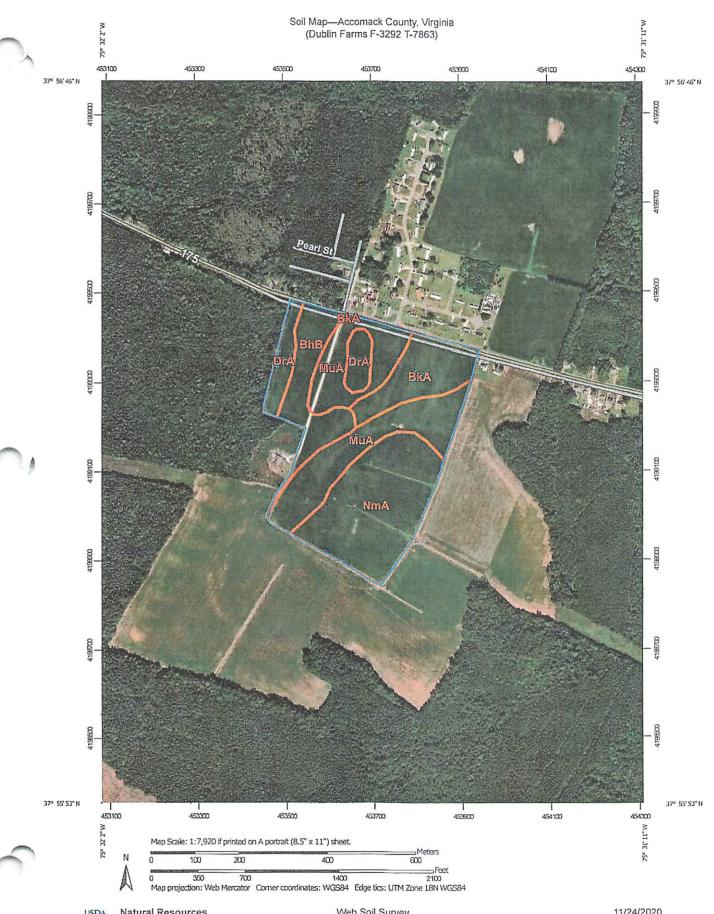
Field 2: 41.8 Field 3:7.5 49.3

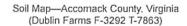
Field 1: 25.34 Field 2: 0.5

Field 1: 20.94

Field 2: 31.81

Field 2: 37.87 Field 3: 6.02 43.89





MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot Severely Eroded Spot

Slide or Slip



Sinkhole



Sodic Spot

Spoil Area



Stony Spot

Very Stony Spot



Wet Spot



Other

Special Line Features

Water Features

Streams and Canals

Transportation



Interstate Highways



US Routes

Rails



Major Roads

Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 16, Jun 3, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Sep 24, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BhB	Bojac loamy sand, 2 to 6 percent slopes	7.0	13.9%
BkA	Bojac sandy loam, 0 to 2 percent slopes	6.7	13.5%
DrA	Dragston fine sandy loam, 0 to 2 percent slopes	4.1	8.3%
MuA	Munden sandy loam, 0 to 2 percent slopes	16.0	32.1%
NmA	Nimmo sandy loam, 0 to 2 percent slopes	16.0	32.2%
Totals for Area of Interest	.1	49.8	100.0%



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Accomack County, Virginia

Map Unit: BkA—Bojac sandy loam, 0 to 2 percent slopes

Component: Bojac (90%)

The Bojac component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.



Map Unit: DrA—Dragston fine sandy loam, 0 to 2 percent slopes

Component: Dragston (90%)

The Dragston component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Arapahoe (3%)

Generated brief soil descriptions are created for major soil components. The Arapahoe soil is a minor component.

Map Unit: MuA-Munden sandy loam, 0 to 2 percent slopes

Component: Munden (90%)

The Munden component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Nimmo (6%)

Generated brief soil descriptions are created for major soil components. The Nimmo soil is a minor component.

Map Unit: NmA—Nimmo sandy loam, 0 to 2 percent slopes

Component: Nimmo (85%)



The Nimmo component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Polawana (2%)

Generated brief soil descriptions are created for major soil components. The Polawana soil is a minor component.

Map Unit: PoA—Polawana mucky sandy loam, 0 to 2 percent slopes, frequently flooded

Component: Polawana (95%)

The Polawana component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on drainageways on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 12 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Nimmo (2%)

Generated brief soil descriptions are created for major soil components. The Nimmo soil is a minor component.

Data Source Information

Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 16, Jun 3, 2020

Legend

Tax Parcel #/Owner:

27-A-178 and 27-A-33:

E.T. Trader

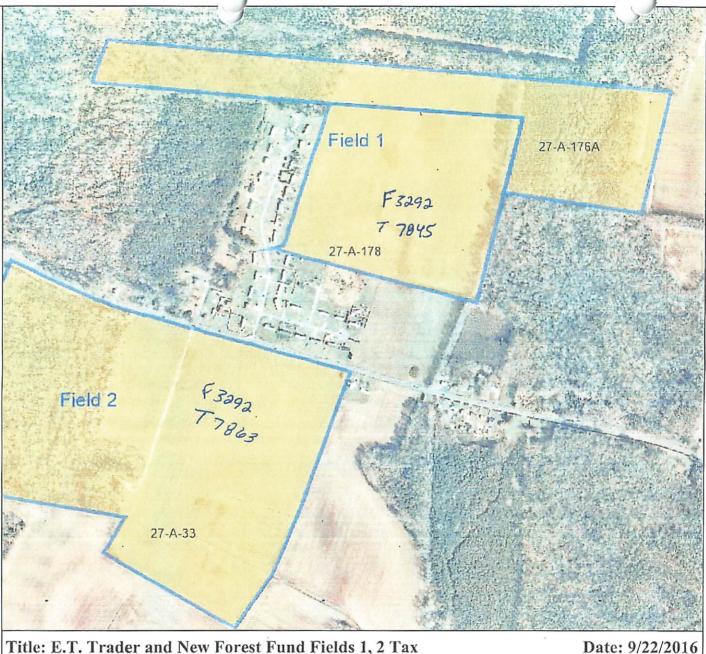
27-A-176A:

New Forest Fund IV LLC

Map Printed from AccoMap http://accomack.mapsdirect.net/

> 200 400 600 800 1:9,028 / 1"=752 Feet

Feet



Title: E.T. Trader and New Forest Fund Fields 1, 2 Tax

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VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

	PART D-VI: LAND A	PPI ICATIO	M ACREEME	NT DIO	POLIDO A	100 10 100 t			
	A. This land application agreement is made on here as "Landowner", and Tyson Foods referred to here as "Landowner", and Tyson Foods 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 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 author	rized to rece	ive biosolids,	water trea	atment resid	duals or	other industrial sludges		
	Tax Parcel ID	Tax	Parcel ID	T	ax Parcel II	0	Tax Parcel ID		
T7845	27-17-178								
T7863	27-A-33		***************************************						
7860	12-17-81								
1800	Additional parcels containing Land	Application Sites	s are identified on S	Upplement A	(check if appli	rable)			
	Check one: The La	ndowner is	the sole owner	of the n	conortios id	ontified	horein		
	□ The La	ndowner is	one of multiple	owners	of the prop	erties id	entified 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 because we will not the fields.						gement restrictions no later		
	application of any part of this	agreement b	ecomes invalid	or the into	rmation here	ein conta	ined becomes incorrect.		
	The Landowner hereby grant agricultural sites identified ab inspections on the land identity purpose of determining comp	fied above, b liance with re	efore, during or gulatory require	after land	also grants p	ermissio	n for DEQ staff to conduct		
	□Yes □ No □ Yes	realment resid	uals Foo	processines [g waste No	Other i ☐ Yes	ndustrial sludges DA No		
	Printed name By: C, V . wilds) ER	Malling Address			Landowr	ner Signature		
	Title" & W N E R		Phone No.			1			
	* I certify that I have authority t	o sign for the la	ndowner as indicat	ed by my tit	le as Executor,	Trustee or	Power of attorney, etc.		
	* I certify that I have authority to sign for the landowner as indicated by my title as Executor, Trustee or Power of attorney, etc. * I certify that I am a responsible official [or officer] authorized to act on behalf of the corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.								
-	Permittee: Tyson Foods , 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 specifically prior to any particular	e Landowner d	or the Landoumer	e deciana	of the areas	and anhant			
	Printed name		Malling Address	P.O. Rox	8	Permittee-	Authorized Representative		
	hevin laylor		Temporancev	lle, VA	23442	Signature			

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

Permittee: _	Tyson Foods	County or City	Accemack	Count
Landowner:	E.T. Trader	county of Gity.	THEODINACK	County

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 blosolids 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:

 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

- 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:

- 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;
- 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 blosolids 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;
- 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

Rev.6/11/2018b

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.

Submission of completed Form D VPA Permit Application Workbook, Tabs 14.a and/or 14.b, supersedes the need to complete this Landowner Coordination Form.

Permittee: Tyson Foods		
County or City: A CCOMack	County	Annual Property Control of the Contr
Please Print).	(Landowner signatures are not required on this page
Tax Parcel ID(s)		Landowner(s)
27-A-178	E.T.	TRuder
27-A33 12-A-81		1.7
12-14-81		(*
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Page __of__

Rev 6/11/2018b





United States Department of Agriculture Farm Service Agency

Farm: 3292 Tract: 7845 Accomack County March 22, 2019

claimer: Wetland identifiers do not represent the size, shape or specific determination of the area.

Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



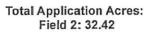


Farm: 3292

Tract: 7845

Total Field Acres: Field 2: 40.1

Dublin Farms







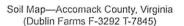


Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

11/25/2020 Page 1 of 3







MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

Special Point Features

(i) Blowout



Borrow Pit Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp

Mine or Quarry



Miscellaneous Water



Rock Outcrop



Rock Outers



Saline Spot Sandy Spot



Severely Eroded Spot



Sinkhole

Slide or Slip



Sodic Spot



Spoil Area



Stony Spot Very Stony Spot



Wet Spot Other



Special Line Features

Water Features

Streams and Canals

Transportation

+++

Interstate Highways

Rails



US Routes



Major Roads Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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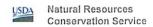
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Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 16, Jun 3, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Sep 24, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BhB	Bojac loamy sand, 2 to 6 percent stopes	2,3	5.9%
BkA	Bojac sandy toam, 0 to 2 percent slopes	8.5	21.5%
DrA	Dragston fine sandy loam, 0 to 2 percent slopes	7.7	19.6%
MuA	Munden sandy loam, 0 to 2 percent slopes	13.0	32.9%
NmA	Nimmo sandy loam, 0 to 2 percent slopes	7.9	20.0%
Totals for Area of Interest		39.4	100.0%

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

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Report—Map Unit Description (Brief, Generated)

Accomack County, Virginia

Map Unit: BhB-Bojac loamy sand, 2 to 6 percent slopes

Component: Bojac (90%)

The Bojac component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.



Map Unit: BkA-Bojac sandy loam, 0 to 2 percent slopes

Component: Bojac (90%)

The Bojac component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Map Unit: DrA—Dragston fine sandy loam, 0 to 2 percent slopes

Component: Dragston (90%)

The Dragston component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, November, December, Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Arapahoe (3%)

Generated brief soil descriptions are created for major soil components. The Arapahoe soil is a minor component.

Map Unit: MuA-Munden sandy loam, 0 to 2 percent slopes

Component: Munden (90%)

The Munden component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Nimmo (6%)

Generated brief soil descriptions are created for major soil components. The Nimmo soil is a minor component.

Map Unit: NmA-Nimmo sandy loam, 0 to 2 percent slopes

Component: Nimmo (85%)

The Nimmo component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces on coastal plains. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

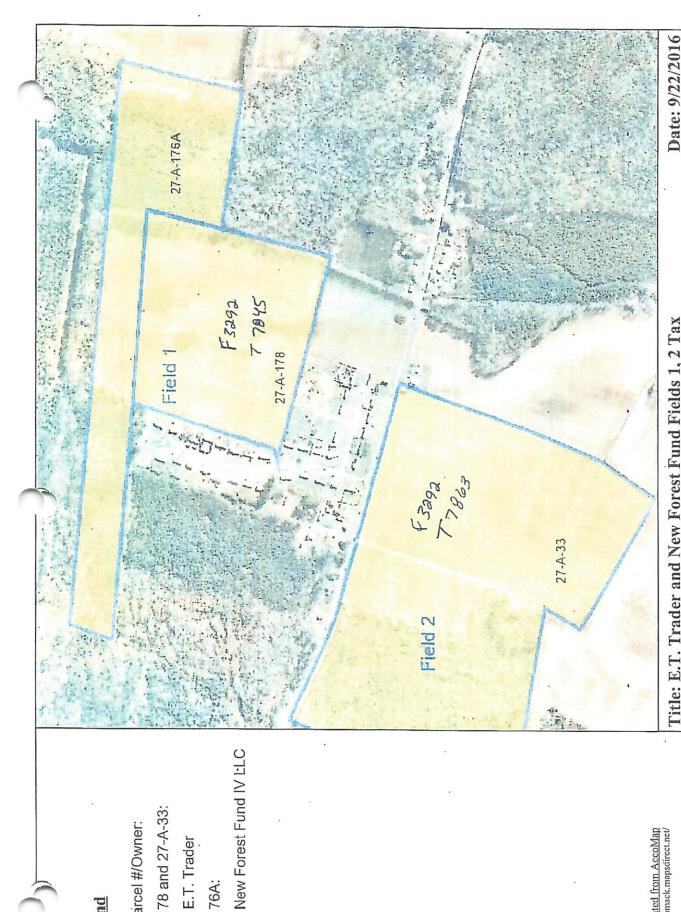
Component: Polawana (2%)

Generated brief soil descriptions are created for major soil components. The Polawana soil is a minor component.

Data Source Information

Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 16, Jun 3, 2020





27-A-178 and 27-A-33:

E.T. Trader

27-A-176A:

Tax Parcel #/Owner:

Legend

Map Printed from AccoMap http://accomack.mapsdirect.nct/

800 1:9,028 / 1"=752 Feet .200 400 600 Feet

EMSCAPIMER:This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Accomack is not responsible for its accuracy or how current it may be. Title: E.T. Trader and New Forest Fund Fields 1, 2 Tax

VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

	PART D-VI: LAND A	PPLICATIO	N AGREE	VENT - BIC	OSOLIDS AI	ND INDU	STRIAL RESIDUALS		
	A. This land application agreement is made on here as "Landowner", and Tyson Foods 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 Accomment. 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 autho	rized to rece	ive biosolid	ls, water tre	eatment resi	duals or	other industrial sludges		
2116	Tax Parcel ID	Tax F	Parcel ID		Tax Parcel I	D	Tax Parcel ID		
T7845									
T7863	27-A-33								
7860	12-14-81					j			
	Additional parcels containing Land	Application Sites	are identified of	on Supplement	A (check if appli	cable)			
	_ IIIC LC	andowner is t andowner is t	one or mult	ible owners	s of the prop	erties jde	entified 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.								
	☐ Yes │ No ☐ Yes	reatment residu		Yes (ing waste □ No	Other in Yes	ndustrial studges ZNo		
	By: C. V. V. wilner Title & W. N. E. R.	DER	Mailing Addr	ess		Landown	er Signature		
	* Lertify that I have authority	to sign for the le	Phone No.	Itaata 11		1			
	* I certify that I have authority that I am a responsible municipality, state or federal agent	e official for office	cer] authorized	to act on beh	alf of the corner	Trustee or	Power of attorney, etc.		
	municipality, state or federal agen	cy, etc.			on or the corpor	acion, parci	ership, proprietorship, tcc,		
	plan prepared for each land appl The Permittee agrees to notify th specifically prior to any particular	ication field by	a person cert the Landow the Landowne	ified in accord ner's designe ar's land. Not	kceed the rates lance with §10 se of the propos ice shall includ	dentified .1-104.2 of	the Code of Virginia.		
	Printed name		Malling Addre	SS P.O Ro	18	Permittee- A	Authorized Representative		
	Title Complex Manage		Phone No. 7	eville, VA	23772	y'e	-1-flor		
	Jones manage		,	01-824-	3471	7			
							\bigcup		

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

Permittee: Tyson Foods	County or City	Accemack	Committee
Landowner: E.T. Trader	ounty of ony.	THE COMMUNICIE	County

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 blosolids 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:

 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

- 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.

Crop Restrictions:

- 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;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

Livestock Access Restrictions:

Following blosolids 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.
- 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;
- 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).

	€
of T. Trades	10/1/2020
Làndowner's Signature	Date '

Rev.6/11/2018b

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 blosolids 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.

Submission of completed Form D VPA Permit Application Workbook, Tabs 14.a and/or 14.b, supersedes the need to complete this Landowner Coordination Form.

Permittee: Tyson Foods	
Permittee: Tyson Foods County or City: A CCORRACK	County
Please Print	(Landowner signatures are not required on this page
Tax Parcel ID(s)	Landowner(s)
27-A-178	E.T. TRuder
27-A33	U
27-433 12-14-81	('

Page ___of___

Rev 6/11/2018b



USDA

United States Department of Agriculture Farm Service Agency

Farm: 4969 Tract: 7350 **Accomack County**

1:6,000

March 25, 2019

daimer: Wetland identifiers do not represent the size, shape or specific determination of the area.

Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Soil Map (David Hickman - W. Birch Farm Field 1)



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Special Point Features

- (*) Blowout
- Borrow Pit
- ※ Clay Spot
- Closed Depression
- .. Gravelly Spot
- A Landfill
- A Lava Flow
- املد Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- + Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- 3 Slide or Slip
- g Sodic Spot
- Spoil Area
- Stony Spot

Very Stony Spot

- Wet Spot
- Other

Special Line Features

る。 Gully

- Short Steep Slope
- Other

Political Features

Cities

Water Features

- Oceans
 - Streams and Canals

Transportation

- ++ Rails
- Interstate Highways
- ...
- **US Routes**
- ~
- Major Roads



Local Roads

MAP INFORMATION

Map Scale: 1:2,530 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 18N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 7, Dec 20, 2007

Date(s) aerial images were photographed: 11/5/2004

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Accomack County, Virginia (VA001)					
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI		
BhB	Bojac loamy sand, 2 to 6 percent slopes	0.6	2.0%		
MuA	Munden sandy loam, 0 to 2 percent slopes	7.4	24.1%		
NmA	Nimmo sandy loam, 0 to 2 percent slopes	21.5	69.6%		
PoA	Polawana mucky sandy loam, 0 to 2 percent slopes, frequently flooded	1.3	4.2%		
Totals for Area of Interest		30.9	100.0%		

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

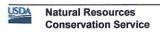
Accomack County, Virginia

Map Unit: BhB—Bojac loamy sand, 2 to 6 percent slopes

Component: Bojac (90%)

The Bojac component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on terraces. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Map Unit: MuA—Munden sandy loam, 0 to 2 percent slopes



Component: Munden (90%)

The Munden component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Nimmo (6%)

Generated brief soil descriptions are created for major components. The Nimmo soil is a minor component.

Map Unit: NmA-Nimmo sandy loam, 0 to 2 percent slopes

Component: Nimmo (85%)

The Nimmo component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Polawana (2%)

Generated brief soil descriptions are created for major components. The Polawana soil is a minor component.

Map Unit: PoA—Polawana mucky sandy loam, 0 to 2 percent slopes, frequently flooded

Component: Polawana (95%)

The Polawana component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on drainageways. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is moderate. Shrinkswell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 12 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Nimmo (2%)

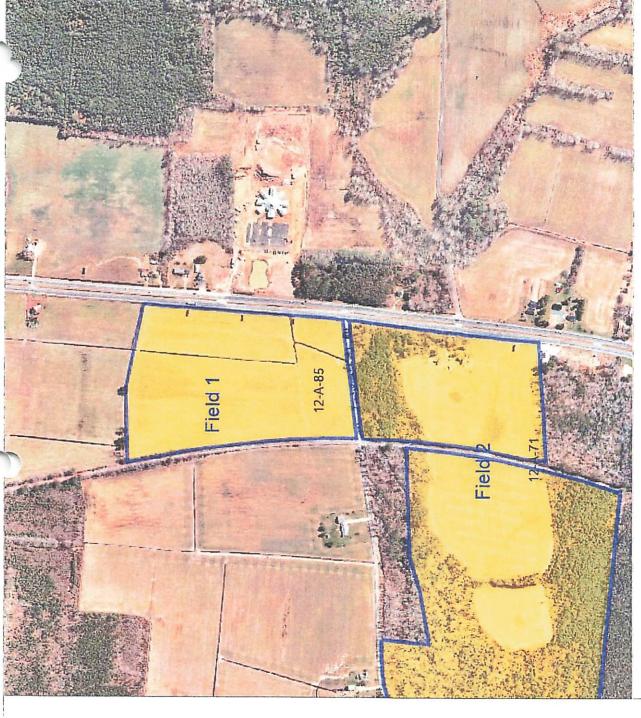
Generated brief soil descriptions are created for major components. The Nimmo soil is a minor component.

Data Source Information

Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 7, Dec 20, 2007

12-A-7" and 12-A-85: Tex: Parcel #/Ovmer:

Donald Birch Life Trust



ELAS. IMERITHIS drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records information, and data obtained from various sources, and deconack is not responsible for its accuracy or how current it may be.

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Feet

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9/1/2/2020

VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

	PART D-VI: LAND A	APPLICATION AGREEMEN	NT - BIOSOLIDS AND IN	IDUCTOIAL PROPERTY			
	A. This land application agre here as "Landowner", and _ in effect until it is terminated Landowner in the event of a individual parcels identified i	ement is made on 10 91)	ferred to here as the "Perm vilh respect to those parcels until ownership of all parcels	iltee". This agreement remains that are retained by the			
	Landowner: The Landowner is the owner agricultural, silvicultural or re documentation identifying ow	of record of the real property clamation sites Identified belo vners, attached as Exhibit A.	located in Table 1 and identified	Virginia, which includes the on the tax map(s) with county			
	Table 1.: Parcels author	rized to receive biosolids, v	vater treatment residuals	or other industrial sludges			
10	I GA I GILE III	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID			
T791	12-A-71			TOX FOR TOO ID			
T7410	12-A-85						
17830							
	Chack ones To Tr	Application Sites are identified on Su	pplement A (check if applicable)				
	The Lar	ndowner is the sole owner adowner is one of multiple	of the properties identifie				
	within 38 months of the latest 1. Notify the purchaser of than the date of the pr 2. Notify the Permittee of	er sells or transfers all or part date of biosolids application, or transferee of the applicable operty transfer, and f the sale within two weeks fo	of the property to which bid the Landowner shall: public access and crop ma	osolids have been applied nagement restrictions no later			
	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 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 purpose of determining compliance with regulatory requirements application of permitted residuals for the						
	Class B biosolids Water tree	ance with regulatory requirem	ents applicable to such app	lication.			
-	☐ Yes ❷ No ☐ Yes Printed name	No ZYes	□ No □ Ye	industrial studges s D. No			
^	Donald B. Birch By: Title*	Malling Address 5	401 Wavaland Landow NEague, Va 2333	mer Signature			
	* I certify that I have authority to	Phone No. 757	-336-6025	Donald B. Reich			
	*☐ I certify that I have authority to s *☐ I certify that I am a responsible o municipality, state or federal agency,	official [or officer] authorized to act	by my title as Executor, Trustee o	r Power of attorney, etc.			
		etc.	on behalf of the corporation, par	tnership, proprietorship, LLC,			
	Permittee: Tyson Foods , the Pen manner authorized by the VPA Pen plan prepared for each land applica	mittee, agrees to apply biosolids nit Regulation and in amounts no	and/or industrial residuals on f	he Landowner's land in the			
	plan prepared for each land applica The Permittee agrees to notify the L specifically prior to any particular ap Printed name	tion field by a person certified in	accordance with §10.1-104.2	In the nutrient management of the Code of Virginia			
	Printed name	Mailing Address P.	Permittee	Authorized Representative			
	Title Complex Manager	Phone No. 257-5	VA 23442 Signature				
0	manager	Fridite No. 357-8	124-3471 Se	-17/0			
1	Rev 6/11/2018b			Page 1 of 2			

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

Permittee: _	Tyson Foods	County or City	Accomacil	C. 1
Landowner:	Donald	Birchlife Trust	VICOUNACII	Courty

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

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 properly 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.

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 blosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- 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

Rev 6/11/2018b

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 blosolids 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.

Submission of completed Form D VPA Permit Application Workbook, Tabs 14.a and/or 14.b, supersedes the need to complete this Landowner Coordination Form.

Permittee: Tyson Foods

County or Oily	
County or City: 14 C	comack County
	(Landowner signatures are not required on this page
Tax Parcel ID(s)	Landowner(s)
12-A-71	Donald Birch Life Trust
12-A-85	Jonald Birch Lite Prust
12 17 33	
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Rev 6/11/2018b



Farm Service Agency United States Department of Agriculture

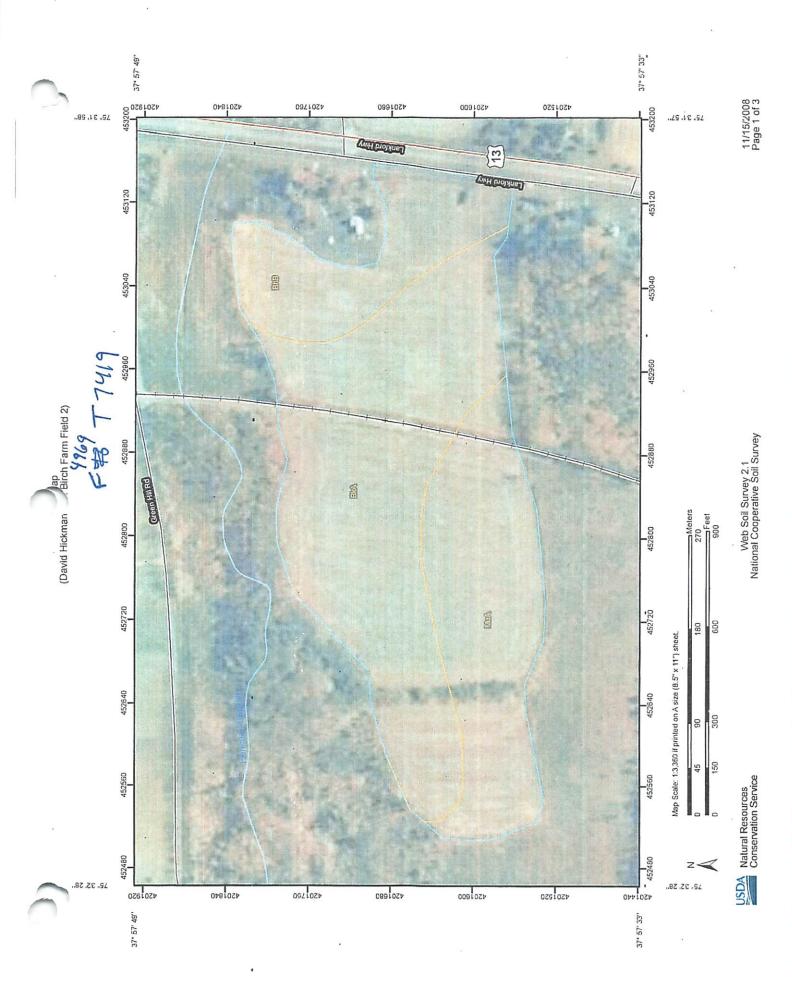
Farm: 4969 Tract: 7419

Accomack County

1:6,000

March 25, 2019





Map Unit Legend

Accomack County, Virginia (VA001)					
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI		
BhB	Bojac loamy sand, 2 to 6 percent slopes	5.5	17.6%		
BkA	Bojac sandy loam, 0 to 2 percent slopes	16.6	53.0%		
MuA	 Munden sandy loam, 0 to 2 percent slopes 	9.2	29.4%		
Totals for Area of Interest		31.3	100.0%		

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

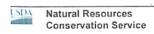
Accomack County, Virginia

Map Unit: BhB-Bojac loamy sand, 2 to 6 percent slopes

Component: Bojac (90%)

The Bojac component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on terraces. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Map Unit: BkA—Bojac sandy loam, 0 to 2 percent slopes



Component: Bojac (90%)

The Bojac component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Map Unit: MuA-Munden sandy loam, 0 to 2 percent slopes

Component: Munden (90%)

The Munden component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces. The parent material consists of marine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Nimmo (6%)

Generated brief soil descriptions are created for major components. The Nimmo soil is a minor component.

Data Source Information

Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 7, Dec 20, 2007



Tex Fareal #/Ovmer: 12.4-7" (1.1" 12.1-05;

Donald Birch Life Truct

http://icom.sch.mapsdirect.neu/

Feet

1:9,028 / 1"=752 Feet 200 400 600 800

> Field Field 1 12-A-85

5.1.5. AMER:This drawing is neither a legally recorded map nor a survey and is not incaded to be used as such. The information displayed is a compilation of records.Information, and data obtained from various sources, and Accomoch is not responsible for its accuracy or now current it may be.

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VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

-	PART D-VI: LAND A	APPLICATION AGREEM	ENT - BIOSOLINS	AND IND	ISTOIAL PERIODICAL
.es	A. This land application agreement is made on 10970 between Donata Birch Life Trust here as "Landowner", and 1yson Foods , referred to here as the "Permittee". This agreement remains Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of longer be authorized to receive biosolids or industrial residuals under this agreement.				
	The Landowner is the owner agricultural, silvicultural or re documentation identifying owner.	vners, attached as Exhibit A	low in Table 1 and id	dentified on	Virginia, which includes the the tax map(s) with county
	Table 1.: Parcels autho	rized to receive biosolids,	water treatment re	siduals or	other industrial sludges
0	Tax Parcel III	Tax Parcel ID	Tax Parce		
7419	12-A-71			110	Tax Parcel ID
7550	-12-A-85				
				i	
	Additional parcels containing Land	Application Sites are identified on 3	Supplement A (check if an	nlicable)	
	The La	ndowner is the sole owne ndowner is one of multipl	r of the properties	identified h	A7F7 - 9 1
	within 38 months of the latest 1. Notify the purchaser of than the date of the p 2. Notify the Permittee of the P 2. Notify the Permittee of the P The Landowner has no other notify the Permittee immediate application or any part of this application or any part of this agricultural sites identified about the land identified purpose of determining complements B biosolids Class B biosolids Water In	ter sells or transfers all or paidate of biosolids application transferee of the applicable roperty transfer, and of the sale within two weeks agreements for land applicately if conditions change such agreement becomes invalid agreement becomes invalid to permission to the Permitter over and in Exhibit A. The Lated above, before, during or lance with regulatory required.	art of the property to a the Landowner shall be public access and following property tration on the fields ide a that the fields are nor the information has to land apply residuation are to land apply residuation and where also grants	which bloso all: crop mana ansfer. ntified herei to longer averein contain trais as spec s permission n of permitte such applic	plids have been applied gement restrictions no later in. The Landowner will allable to the Permittee for ned becomes incorrect.
X	Printed name Donald B. Birch By: Title* * I certify that I have authority to * I certify that I am a responsible municipality, state or federal agency	Phone No. 75	7-336-602	3336	Power of attorney, etc.
	Permittee:	miltee, agrees to apply biosoli milt Regulation and in amounts ation field by a person certified Landowner or the Landowner's implication to the Landowner's Malling Address	ds and/or industrial res not to exceed the rate in accordance with §1! s designee of the propo and. Notice shall inclu	iduals on the es identified Ir 0.1-104.2 of t osed scheduli de the source	Landowner's land in the nutrient management the Code of Virginia.
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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

	Tyson Foods	County or City: A counacil	C. 1
Landowner:	Donald	Birch Life Trust	conty

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 properly 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:

 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

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

 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).

Livestock Access Restrictions:

Following blosolids 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.
- 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;
- 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 10 - 17-2 d

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 blosolids 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.

Submission of completed Form D VPA Permit Application Workbook, Tabs 14.a and/or 14.b, supersedes the need to complete this Landowner Coordination Form.

Permittee: Tyson Foods

remiliee: Tyson Foods	
County or City:	comack County
	# andowner rignetures
Tax Parcel ID(s)	(Landowner signatures are not required on this page Landowner(s)
12-4-71	
12-A-85	Donald Birch Life Trust
12-14-83	
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