## **Accomack County, Virginia**



**Farm 735 Tract 5687** 

2023 Program Year

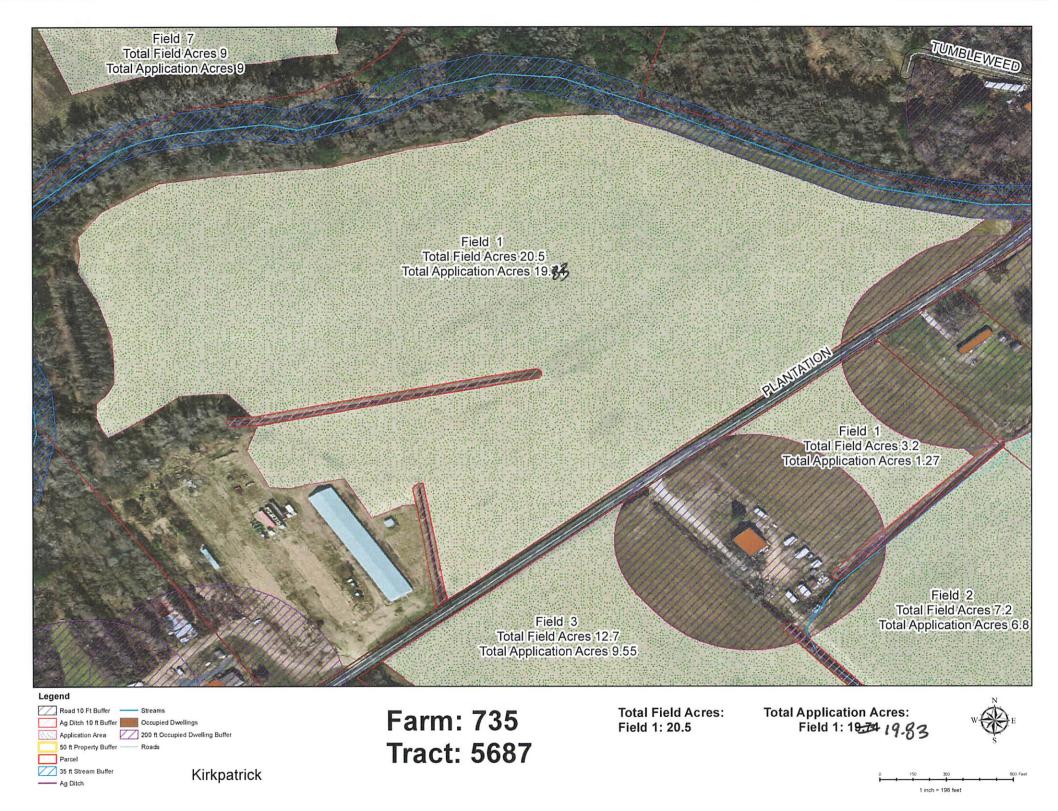
Map Created June 27, 2023

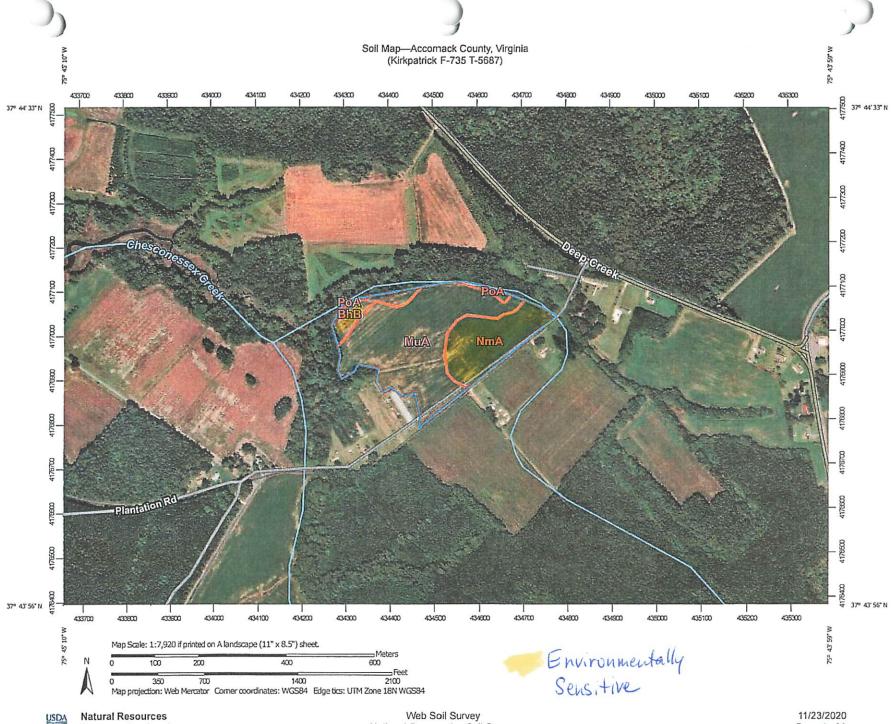
### **Wetland Determination** Identifiers

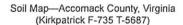
- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 20.50 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data as is and accume all data as is and accume all data as is and accume all data with its assurance and the producer accepts the data as is and accume all data as is and accume all data with its assurance. from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. 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 boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).







#### MAP LEGEND

Spoil Area

Stony Spot

Wet Spot

Other

Rails

**US Routes** 

Major Roads

Local Roads

Aerial Photography

00

Water Features

Transportation

Background

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

#### 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

Candfill

A Lava Flow

Marsh or swamp

... Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

- Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

#### 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)

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	1.7	7.5%
MuA	Munden sandy loam, 0 to 2 percent slopes	14.5	63.5%
NmA	Nimmo sandy loarn, 0 to 2 percent stopes	6.2	27.0%
PoA	Polawana mucky sandy loam, 0 to 2 percent slopes, frequently flooded	0.4	1.9%
Totals for Area of Interest		22.9	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, 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: 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: 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

Owner:

Marvin Smith

19161 Plantation Road

Onancock, VA 23417

Operator:

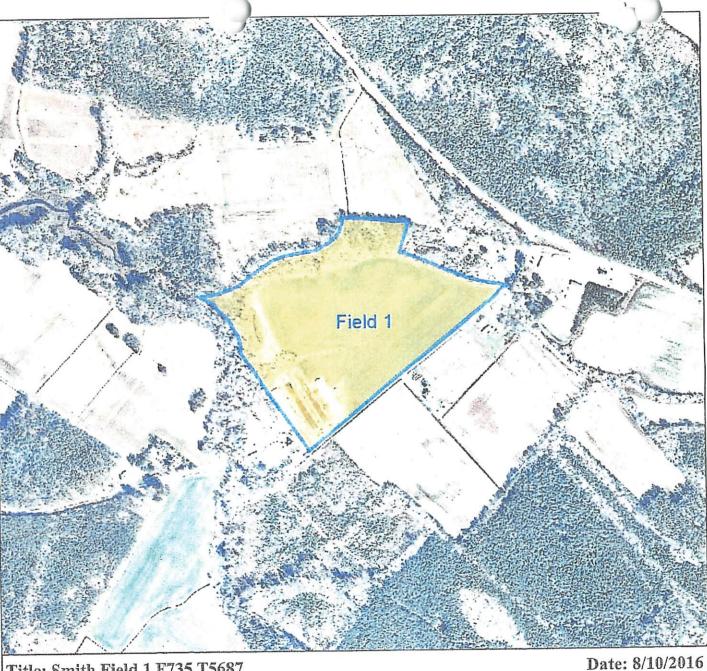
Johnny Kirkpatrick

Tax Parcel:

85-A-12

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

200 400 600 800 1:9.028 / 1"=752 Feet



Title: Smith Field 1 F735 T5687

DISCLAIMER: 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.

## VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

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

	THE DAME A	FFLICATI	ON AGKEENE	VI - BIOSOLIDS	AND INDUS	STRIAL RESIDUALS	
	A. This land application agree here as "Landowner", and in effect until it is terminated Landowner in the event of a individual parcels identified in longer be authorized to recei	ement is made in writing by sale of one	ede on 11/10/20 OOS reither party or, wor more parcels, i	between _ ferred to here as the vith respect to those until ownership of al	Marvin Permittee". parcels that I parcels char	Structured to . This agreement remains are retained by the	
	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						
	Table 1.: Parcels author	ized to rec	eive biosolids, v	vater treatment re	siduals or ot	her industrial sludges	
0227	Tax Parcel ID	Tax	Parcel ID	Tax Parcel	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN	Tax Parcel ID	-
5687	85-A-12					TOX ! CIOCI ID	-
	Additional parcels containing Land	Application Site	s are identified on Su	pplement A (check if ann	licable)		
	The Lai	ndowner is ndowner is	the sole owner one of multiple	of the properties i	dentified her	tifical language	
	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 less than 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 residuats 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.						
<u></u> Γ	☐ Yes ☐ No ☐ Yes  Printed name	atment residu	XYes	orocessing waste ☐ No	Other indu	striat sludges IX No	
	Printed name		Mailing Address		Landowner S	Ignature	7
-	By:				1	1 10 1	h
	Title*		Phone No.		1/1/2	an Usahi	1
	*☐ I certify that I have authority to *☐ I certify that I am a responsible	sign for the lar	downer as indicated	by my title as Executor	Trustee or Pow	ver of attorney, etc.	7
L	*□ I certify that I am a responsible municipality, state or federal agency	, etc.	er, authorized to act	on behalf of the corpor	ation, partnersh	hip, proprietorship, LLC,	1
P	ermittee:_						١
n pi	an prepared for each land applica	ation field by	person codified in	or to exceed the rates	identified in th	andowner's land in the nutrient management	
TI SI	he Permittee agrees to notify the pecifically prior to any particular a Printed name	Landowner or	the Landowner's o	lesignee of the propos	sed schedule for	or land application and	
F	Printed name		Mailing Address P.	O. Rotice shall includ	e ine source of	f residuals to be applied. orized Representative	1
_	Kevin Taylor		lemporance ville	VA 23442	Signature		
	Title Complex Manager		Phone No. 757-	824-3471	La	1-/10-	
	J						J

Rev 6/11/2018b

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

Permittee:	Tyson Foods		County or City:	accomack	County
Landowner:	Marvin	Smith		C / CCC	-

## 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:

 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:

- 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:

- 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).

Page 2 of 2

Landowner's Signature

| 1 | 12/2020
| Date

Rev.6/11/2018b

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

Permittee:

Rev 6/11/2018b

Tyson Foods

## 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.

County or City:	accomach	County	
Please Print		. /	(Landowner signatures are not required on this page
Tax Pa	rcel ID(s)		Landowner(s)
85-A	-12	Marvin	Smith
<u> </u>			

Page \_\_\_of\_\_\_





United States Department of Agriculture Farm Service Agency

Farm: 2070 Tract: 76453 Accomack County 1:4,800 March 21, 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.



Kirkpatrick

## Soil Map—Acc K County, Virginia (Johnny Kirkpatrick, Teresa DeGavre F2070,T76453)



#### Soil Map-Accomack County, Virginia (Johnny Kirkpatrick, Teresa DeGavre F2070, T76453)

#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Mine or Quarry

Miscellaneous Water

Marsh or swamp

Perennial Water

Rock Outcrop

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

Gully

Short Steep Slope

Other

Political Features

Cities

Water Features

Oceans

Streams and Canals

Transportation

+++

Interstate Highways

**US Routes** 

Major Roads

Local Roads

#### MAP INFORMATION

Map Scale: 1:4,450 if printed on A size (8.5" x 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 8, Dec 15, 2008

Date(s) aerial images were photographed: 8/24/2004

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	
BkA	Bojac sandy loam, 0 to 2 percent slopes	11.2	29.8%	
McA	Melfa-Hobucken complex, 0 to 1 percent slopes, frequently flooded	0.1	0.2%	
MuA	A Munden sandy loam, 0 to 2 percent slopes		32.1%	
NmA Nimmo sandy loam, 0 to 2 percent slopes		14.2	37.9%	
Totals for Area of Intere	est	37.5	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: 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: McA—Melfa-Hobucken complex, 0 to 1 percent slopes, frequently flooded





The Melfa component makes up 45 percent of the map unit. Slopes are 0 to 1 percent. This component is on tidal flats. 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. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 40 percent. Nonirrigated land capability classification is 8w. This soil meets hydric criteria. The soil has a strongly saline horizon within 30 inches of the soil surface.

#### Component: Hobucken (40%)

The Hobucken component makes up 40 percent of the map unit. Slopes are 0 to 1 percent. This component is on tidal flats. 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 moderately 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, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. The soil has a strongly saline horizon within 30 inches of the soil surface. The soil has a strongly sodic horizon within 30 inches of the soil surface.

Component: Chincoteague (1%)

Generated brief soil descriptions are created for major components. The Chincoteague 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. 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.

#### **Data Source Information**

Soil Survey Area: Accomack County, Virginia Survey Area Data: Version 8, Dec 15, 2008

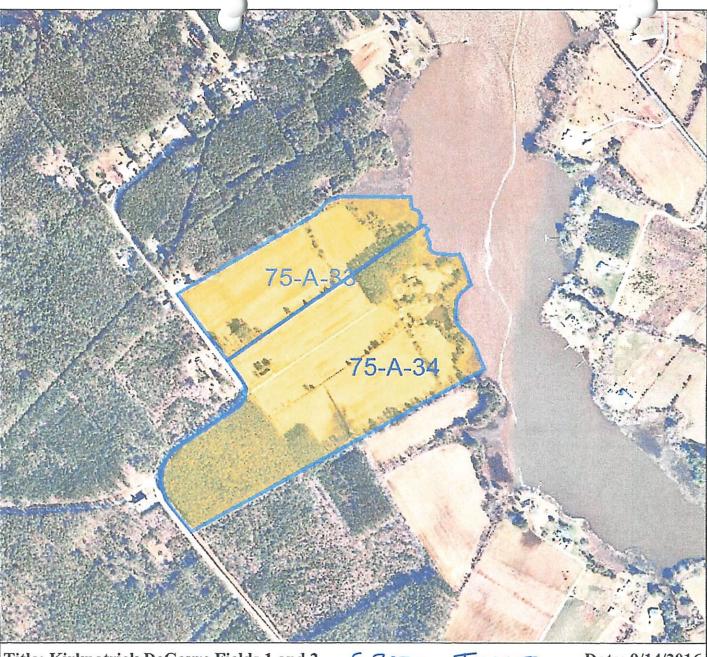
## Legend

Tax Parcel #/Owner: 75-A-33 and 75-A-34: Teresa DeGavre

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

Feet

0 200 400 600 800 1:9 028 / 1"=752 Feet



Title: Kirkpatrick DeGavre Fields 1 and 2

F 2070

T76453

Date: 9/14/2016

DISCLAIMER: 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.

## VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

	PART D-VI: LAND A	APPLICATION AGREE	MENT - BIOSOLIDS	AND MONO	TOTAL DESCRIPTION	
	A. This land application agre here as "Landowner", and _ in effect until it is terminated Landowner in the event of a individual parcels identified.	lin writing by either party	between referred to here as the or, with respect to thosels, until ownership of a	le "Permittee". e parcels that a	referred to This agreement remains regarded by the	ns
	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					
	Table 1.: Parcels autho					
(		Tax Parcel ID	Tax Parce		Tax Parcel ID	
1764	75-14-33				Tax Parcer ID	-
1/2/2	175-4-34					-
_	Address					-
L	Additional parcels containing Land	Application Sites are identified o	n Supplement A (check if an	plicable)		
	The La	ndowner is the sole ow ndowner is one of multi	ner of the properties	identified here		
	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 2. Notify the permittee of the property transfer; and					г
	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 treatment society.					
	Class B biosolids ☐ Yes ☐ No ☐ Yes	Foundation residuals	pod processing waste  Yes □ No	Other indust		
	Printed name	Mailing Address	55	Landowner Sign		1
	Teresa De Caure, Laven By:	5m.46			10tule	1
	Title*	Phone No.		- X /p ass	120 -1	N/Y
-	* I certify that I have authority to * I certify that I am a responsible	sign for the landowner as indic	ated by my title as Executor	r. Trustag or Pouro	Ch regala	Holler
	*☐ I certify that I am a responsible municipality, state or federal agency	official [or officer] authorized to r, etc.	o act on behalf of the corpo	ration, partnership	p, proprietorship, LLC,	Short
P	emittee: Tyson Foods the Pel					
m pl	anner authorized by the VPA Per an prepared for each land applica	miltee, agrees to apply bioso mit Regulation and in amour ation field by a person certifie	d in a second the rate	s identified in the	nutrient management	
Sp.	ne Permittee agrees to notify the pecifically prior to any particular a Printed name	Landowner or the Landowne	er's designee of the propo	sed schedule for	land application and	
F	Printed name		P.o. Box 8	de the source of r	esiduals to be applied.	i
-	Kevin Taylor	Temporance	rille, VA 23442	Signature	zed Representative	
L	itle Complex Manager	Phone No. 75	7-824-3471	Ken-1	La	
	U					1

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

Permittee: _	Tyson Foods		County or City	Accomacic	County
Landowner:	Teresa	DeGavre L	ife Thurt	Competi	Carry

## 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:

 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:

- 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;
- 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

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: Accomacic	Carnty	
Please Print	y.	// padoumos pianetuses assessed as it is also
Tax Parcel ID(s)		(Landowner signatures are not required on this page Landowner(s)
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Rev 6/11/2018b



## **Accomack County, Virginia**





Farm 2445 Tract 5583

2023 Program Year

Map Created June 27, 2023

### Wetland Determination Identifiers

- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 10.50 acres

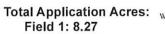
United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. 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 boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).





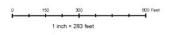
Farm: 2445, 2801 Tract: 5583, 5572 Total Field Acres: Field 1: 10.5

Field 1: 10.5



Field 1: 14.71





11/23/2020 Page 1 of 3

Web Soil Survey National Cooperative Soil Survey

Natural Resources Conservation Service

USDA







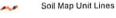
#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Points

#### Special Point Features

Blowout

Borrow Pit



Closed Depression

Marsh or swamp

Gravel Pit

: Gravelly Spot

Candfill

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

- Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Stony Spot

Very Stony Spot

Spoil Area

Wet Spot

Other

Special Line Features

#### Water Features

Streams and Canals

#### Transportation

++ Rails

Interstate Highways

~

US Routes

Major Roads

Local Roads

#### Background

No.

Aerial Photography

#### MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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.

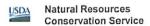
This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

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
BkA	Bojac sandy loam, 0 to 2 percent slopes	8.4	83.0%
DrA	Dragston fine sandy loam, 0 to 2 percent slopes	0.0	0.4%
MuA	Munden sandy loam, 0 to 2 percent slopes	1.7	16.6%
PoA	Polawana mucky sandy loam, 0 to 2 percent slopes, frequently flooded	0.0	0.1%
Totals for Area of Interest		10.2	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: 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:

84-A-70: Kevin/Teri Daley

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

Feet

0 100 200 300 400 1:4,514 / 1"=376 Feet



Title: Kirkpatrick Daley Field 1

F2445 T5583

Date: 9/14/2016

DISCLAIMER: 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.

## VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

	PART D-VI: LAND	APPLICATION AGREEMEN	T - BIOSOLIDS	ICIAL CHAN	ICTOIAL DEGISTRE	
	A. This land application agreement is made on there as "Landowner", and Tyson Foods to the east 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.					
1	The Landowner is the owne agricultural, silvicultural or re documentation identifying or	r of record of the real property eclamation sites Identified belowners, attached as Exhibit A.	w in Table 1 and id	entified on t		
	Table 1.: Parcels author	rized to receive biosolids, v	ater treatment re	siduals or	other industrial sludges	
	Tax Parcel ID	Tax Parcel ID	Tax Parcel	CONTRACTOR OF THE PERSON NAMED IN COLUMN	Tax Parcel ID	
(5383	84-A-70		_			
(3			and the same of th			
	The state of the s					
L	Additional parcels containing Land	Application Sites are identified on Su	oplement A (check if app	olicable)		
	Check one: De The La	andowner is the sole owner andowner is one of multiple	of the properties i	dentified h	ntified harain	
,	iii ule evelli liiai ine i annow	ner cells or transfers all	*		lids have been applied	
	<ol> <li>Notify the purchaser</li> </ol>	or transferee of the applicable	the Landowner sha	ll:	Tomost	
	2. Notify the Permittee	property transfer; and	llanda de	crop manag	jement restrictions no later	
1 8	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 has in certain and the Permittee for					
a Ii	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 applicable to such application.					
	Class B biosolids Water to	marrogalatary requirem	ients applicable to	such applica	ation,	
	☐ Yes	Ď No ⊠Yes	Drocessing waste ☐ No	Other inc	dustrial studges D. No	
	Levin Paley	Mailing Address		Landowner	r Signature	
	By: Title		1 20	13		
		Phone No.		1/2	er Jeoly	
		o sign for the landowner as indicated to act official [or officer] authorized to act ov, etc.	by my title as Executo	Trustee or Po	ower of attorney, etc.	
1	municipality, state or federal agend	y, etc.	on behalf of the corpo	ration, partne	rship, proprietorship, LLC,	
P	ermittee: Tyson Foods the Pa				777	
m	anner authorized by the VPA Pe an prepared for each land applie	emittee, agrees to apply biosolids emit Regulation and in amounts re- cation field by a person certified in	or to exceed the rate	s identified in	the nutrient management	
Th	e Permittee agrees to notify the	Landowner or the Landowner's capplication to the Landowner's lar	accordance with 910	1.1-104.2 of I	he Code of Virginia.	
P	rinted name	Malling Address P.	0. Roy 8	Permittee- Au	thorized Representative	
T	Kevin laylor	/emperanceville	VA 23442	Signature		
	Complex' Manage	C Phone No. 257-	824-3471	gen	-1-X(a-	
	O			1		

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

Permittee: _	Tyson Foods			County or City	Accomack	Count
Landowner:	Kevin/	Teri	Daley	or oregr	Treesmore	CANIN

### 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:

 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.

#### 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/agre (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 C CO MGC	K
Please Print	(Landowner signatures are not required on this page
Tax Parcel ID(s)	Landowner(s)
84-14-70	Kevin/Teri Daley

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Rev 6/11/2018b



## Accomack County, Virginia



19.40 NHEL

Farm 2801 **Tract 5572** 

2023 Program Year

Map Created June 27, 2023

### **Wetland Determination** Identifiers

- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 19.40 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data as is and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. 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 boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS),







#### MAP LEGEND

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Aerial Photography

Water Features

Transportation

Background

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Points

#### Special Point Features

Blowout

Borrow Pit

₩ Clay Spot

Closed Depression

Gravelly Spot

Landfill

A Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

\_L Saline Spot

". " Sandy Spot

Severely Eroded Spot

A Sinkhole

Slide or Slip

Sodic Spot

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15.800

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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
BkA	Bojac sandy loam, 0 to 2 percent slopes	12.7	63.4%
DrA	Dragston fine sandy loam, 0 to 2 percent slopes	3.2	15.8%
MuA	Munden sandy loam, 0 to 2 percent slopes	4.1	20.6%
NmA	Nimmo sandy loam, 0 to 2 percent slopes	0.0	0.2%
Totals for Area of Interest		20.0	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.

#### **Data Source Information**

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



# Accomack County, Virginia

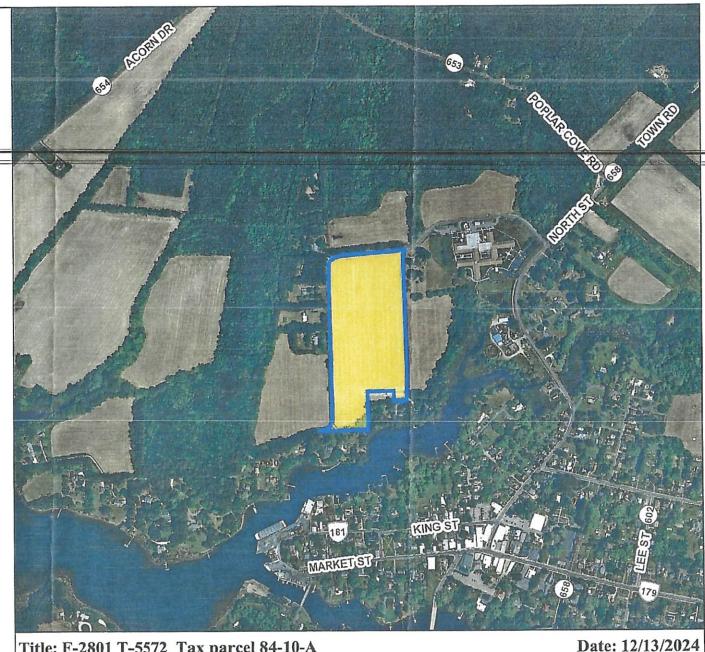
Legend

Parcels

Owner's Name MOULDS, JEFFERSON E C OR BRENT R ANDERSON Mailing Address 18434 HERMITAGE RD ONANCOCK, VA 23417

Map Printed from AccoMap https://parcelviewer.geodecisions.com/Accomack

Feet 0 200 400 600 800 1:9.028 / 1"=752 Feet



Title: F-2801 T-5572 Tax parcel 84-10-A

DISCLAIMER: 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 County is not responsible for its accuracy or how current it may be.

## VPA PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

	PART D-V	: LAND	APPLICATION A	GREEMENT	- BIOSOLIDS	AND INDI	JSTRIAL RESIDUA	
	A. This land app here as "Landov in effect until it is Landowner in the individual parcel longer be author	ication agn ner", and terminated expent of a	eement is made o Tyson Foods I in writing by either I sale of one or me	n <u>IA/A8/2</u> , referred party or, with pre parcels, unt	between pred to here as the respect to those iii ownership of a	Moulds & e "Permittee parcels the cill parcels ch	TANALLS, Leferred by. This agreement reat are retained by the langes. If ownership on the phas changed will no	to mains
	Landowner: The Landowner agricultural, silvi documentation id	s the owne ultural or re entifying or	r of record of the reclamation sites id wners, attached as	eal property loc lentified below is Exhibit A.	cated in in Table 1 and lo	lentified on	Virginia, which including the tax map(s) with co	
	Table 1.: Pa	cels autho	rized to receive	biosolids, wat	er treatment re	siduals or	other industrial slud	ges
-,5512	Tax Paro	PIID .	Tax Parc		Tax Parce	_	Tax Parcel ID	
-,550	84-10-	A					Tax Talout	
_								
L	Additional parcels co	ntaining Land	Application Sites are i	dentified on Suppli	ement A (check if ap	plicable)		
	Check one:	I∥ The La	indowner is the s	sale owner of	the properties	idansisiaa L	erein.	
	In the event that t	P    1110 L.E	BITO STIPLIES OF B	or multiple on	vners of the pro	operties ide	ntified berein	
	<ol> <li>Notify the</li> </ol>	t the Landowner sells or transfers all or part of the property to which biosolids have been applied so the latest date of biosolids application, the Landowner shall:  ne purchaser or transferee of the applicable public access and crop management restrictions no later date of the property transfer; and  ne Permittee of the sale within two weeks following property transfer.						
	2. Notify the	Permittee	of the sale within t	wo weeks follo	wing property tra	insfer.		
	The Landowner had notify the Permitte	is no other e immedial	agreements for la	ind application	on the fields ide	ntified herei	n. The Landowner will allable to the Permitte ned becomes incorrect	e for
	i'ne Landowner hi agricultural sites i	reby grant	s permission to the	e Permittee to I	and apply residu	ials as spec	isu becomes incorrect ified below, on the for DEQ staff to cond at residuals for the ation,	
	☐ Yes 💆 No	Water tr □ Yes	ealment residuals Ø No	Food pro X Yes	cessing waste	Other in Yes	ation, <u>dustrial sludges</u> IX No	
	Printed name		10	ling Address Ca	emilize R	Landowne	r Signature	
]	Title* Lind	61 11	Pho	19 No 11 -1 /	7 . 2 . 3 . 7 . 42	$\dashv$ /	1	14
	* I certify that I ha	e authority t	sian for the landere	an na fadlana				
	municipality, state or	ion escunsion	e Difficial Inc Atticact at	thorized to act or	behalf of the corpo	oration, partne	ower of attorney, etc. ership, proprietorship, LLC,	
_	Permittee: Tyson Foods	the Pe	ermittee, agrees to a	pply biosolids ar	nd/or industrial res	iduals on the	Landowner's land in the	
Ę.	plan prepared for each							nt
	LIG LEUMINGS SOLES	I IO NORIV ING	i I andhwaar or tha I		.l.,		4 .	1
_	Printed name	A bautonia.	application to the Ca	indowners iand.	Notice shall inclu	de the source	of residuals to be applic	ed.
l	Kevin In		Ivialiti	ng Address P.O.	BOX &	Permittee- Au Signature	thorized Representative	7
<b> </b>	Title Complex	Manage	C Phone	No. 757-82	VH 25772	1/e	-1-20	
_		J		10 1-80	7- 577/	17-	<del>- (\'</del>	
						•	$\bigcirc$	

Page 1 of 2

VIRG AGR	SINIA F EEME	POL NT		JTION ABATEMENT PERMIT	APPLICATION: PART D-VI LAND APP	LICATION		
Pern	nittee:		s	on Foods	(County) or City: Accomack			
Land	lowne	r: 4	4	oulds or Anderson				
Land	lowne	r Sit	9	Management Requirements:				
i, the Landowner I have received a DEQ Biosolids Fact Sheet that includes information regarding regoverning the land application of biosolids, the components of biosolids and proper handling and land biosolids.				regulations land application of				
restrictions identifi			e	pressly advised by the Permittee that the site management requirements and site access below must be complied with after blosolids have been applied on my property in order to and that I am responsible for the implementation of these practices.				
i agre applic	e to impation of	plem f bio:	er O	t the following site management p lids at the site:	ractices at each site under my ownership fol	llowing the land		
1.	as a bi	lozo	dş	gns: I will not remove any signs pland application site, unless requithat site is completed.	posted by the Permittee for the purpose of idested by the Permittee, until at least 30 days	entifying my field after land		
2.	b.	Put folio folio the exp	die Viliu Si	access to land with a high potent ing any application of biosolids. access to land with a low potenti ing any application of biosolids. No te during this same period of time aure to soil, dusts or aerosols;	tial for public exposure shall be restricted for al for public exposure shall be restricted for to biosolids amended soil shall be excavated unless adequate provisions are made to pre	at least 30 days d or removed from event public		
3	c. Crop R	of to	io L	solids when the harvested turf is pawn, unless otherwise specified by	applied shall not be harvested for one year a placed on either land with a high potential for pEQ.	after application public exposure		
υ.	a. b.	For sur For afte fou For wh	4 8 4 L ~ 4 E	crops with harvested parts that to e shall not be harvested for 14 m crops with harvested parts below the application of biosolids when the 4) or more months prior to incorpo crops with harvested parts below	uch the biosolids/soll mixture and are totally onths after the application of biosolids. the surface of the land shall not be harveste he biosolids remain on the land surface for a ration into the soil, the surface of the land shall not be harveste surface for a time period of less than four (4)	d for 20 months time period of d for 38 months		
	<b>d.</b> e.	Ott	e	food crops and fiber crops shall n	ot be harvested for 30 days after the applica 0 days after the application of biosolids (60 o	ation of biosolids; days if fed to		
4.	Fo a. b.	ilowi Me Lac	ig at ta	ess Restrictions: biosolids application to pasture of producing livestock shall not be grating dairy animals shall not be grating the grating of the grating	razed for 30 days, zed for a minimum of 60 days.			
5.	residua	als ar t ma	ם	lications such that the total crop n	pplications will be coordinated with the biosc eeds for nutrients are not exceeded as ident on certified in accordance with §10.1-104.2	ified in the		
6.	for thre	e ye ling (	ar ).	s following the application of blose to pounds/acre (0.5 kilograms/hec	ulate cadmium, should not be grown on the olids or industrial residuals which bear cadmi stare).	Landowner's land ium equal to or		
				1/Mm	12/20	1/1.24		
	Lando	wher	s	Signature	Date	•		
Rev 6/	11/20186					Page 2 of 2		

## 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 plandowner Coordination Form.

lyson Foods	
Accomack	
	(Landowner signatures are not required on this page
Rarcel ID(s)	Landowner(s)
1-10-A	Tefferson Moulds or Brent Anderson
:	
	Parcel ID(s)

Rev 6/11/2018b