SCREENING INFORMATION

This application is divided into sections. Sections A pertain to all applicants. The applicability of Sections B, C and D depend on your facility's sewage sludge use or disposal practices. The information provided on this page will help you determine which sections to fill out.

- 1. All applicants must complete Section A (General Information).
- 2. Will this facility generate sewage sludge? __Yes __No

Will this facility derive a material from sewage sludge? __Yes __No

If you answered Yes to either, complete Section B (Generation Of Sewage Sludge Or Preparation Of A Material Derived From Sewage Sludge).

3. Will this facility apply sewage sludge to the land? __Yes __No

Will sewage sludge from this facility be applied to the land? _Yes _No

If you answered No to both questions above, skip Section C.

If you answered Yes to either, answer the following three questions:

a. Will the sewage sludge from this facility meet the ceiling concentrations, pollutant concentrations, Class A pathogen reduction requirements and one of the vector attraction reduction requirements 1-8, as identified in the instructions?

__Yes __No

- b. Will sewage sludge from this facility be placed in a bag or other container for sale or give-away for application to the land? __Yes __No
- c. Will sewage sludge from this facility be sent to another facility for treatment or blending? __Yes __No

If you answered No to all three, complete Section C (Land Application Of Bulk Sewage Sludge).

If you answered Yes to a, b or c, skip Section C.

4. Do you own or operate a surface disposal site? __Yes __No

If Yes, complete Section D (Surface Disposal).

SECTION A. GENERAL INFORMATION

All applicants must complete this section.

1.	Facility	Information.
	a.	Facility name:
	b.	Contact person:
		Title:
		Phone: ()
	c.	Mailing address:
		Street or P.O. Box:
		City or Town: State: Zip:
	d.	Facility location:
		Street or Route #:
		County:
		City or Town: State: Zip:
	e.	Is this facility a Class I sludge management facility?YesNo
	f.	Facility design flow rate: mgd
	g.	Total population served:
	h.	Indicate the type of facility:
		Publicly owned treatment works (POTW)
		Privately owned treatment works
		Federally owned treatment works
		Blending or treatment operation
		Surface disposal site
		Other (describe):
2.	Applica	ant Information. If the applicant is different from the above, provide the following:
	a.	Applicant name:
	b.	Mailing address:
		Street or P.O. Box:
		City or Town: State: Zip:
	c.	Contact person:
		Title:
		Phone: ()
	d.	Is the applicant the owner or operator (or both) of this facility?
		owneroperator
	e.	Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)
		facility applicant
3.	Permit	Information.
	a.	Facility's VPDES permit number (if applicable):
	b.	List on this form or an attachment, all other federal, state or local permits or construction approvals received
		or applied for that regulate this facility's sewage sludge management practices:
		Permit Number: Type of Permit:
4.		Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from this
	facility	occur in Indian Country?YesNo If yes, describe:

FAC	ILITY NAME:			VPDES P	ERMIT NUMBER:
5.	Topographic Manavailable) that boundaries of the a. Location		nation. Maps sh	other appropriate maps a ould include the area or	if a topographic map is
		on of all wells, springs, and oblicant within 1/4 mile of the			ic records or otherwise known to
6.	will be employe treating sewage	ed during the term of the perr	nit including all	processes used for coll	all sewage sludge processes that ecting, dewatering, storing, or and all methods used for pathoge
7.	generation, treat		ponsibility of a	contractor?Yes	No
		ox:	State:	Zin·	
	Phone: ()		State.		
	Contractor's Fed	leral, State or Local Permit N	Number(s) applie	cable to this facility's se	wage sludge:
8.	the pollutants w expected use or	hich limits in sewage sludge	have been estab must be based o	olished in 9 VAC 25-31	sewage sludge monitoring data for -10 et seq. for this facility's s taken at least one month apart
	POLLUTANT	CONCENTRATION (mg/kg dry weight)	SAMPLE DATE	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
	Arsenic				
	Cadmium				
	Chromium				
	Copper				
	Lead				
	Mercury				
	Molybdenum				
	Nickel				
	Selenium				
	Zinc				
<u> </u>		<u> </u>			<u> </u>
9.		lead and submit the following is an officer for purposes of t			cation. Refer to the instructions to

Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)

____Section D (Surface Disposal)

_Section A (General Information)

_Section C (Land Application of Bulk Sewage Sludge)

FACILITY NAME:	VPDES PERMIT NUMBER:
	and all attachments were prepared under my direction or supervision
•	nat qualified personnel properly gather and evaluate the information
• 1 • 1	persons who manage the system or those persons directly
	ormation is, to the best of my knowledge and belief, true, accurate ant penalties for submitting false information, including the possibility
of fine and imprisonment for knowing violations.	
Name and official title	
Signature	Date Signed
Digitature	Date digited
Telephone number	
Upon request of the department, you must submi	t any other information necessary to assess sewage sludge use or

disposal practices at your facility or identify appropriate permitting requirements.

Tr A	CII	TTX	TAT A	MIT.

VPDES PERMIT NUMBER:___

SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

1.		unt Generated On Site. dry metric tons per 365-day period generated at your facility: dry metric tons
	Total	dry metric tons per 303-day period generated at your facility dry metric tons
2.	dispo	ant Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or sal, provide the following information for each facility from which sewage sludge is received. If you receive ge sludge from more than one facility, attach additional pages as necessary.
	a.	Facility name:
	b.	Contact Person:
		Title:
		Phone ()
	c.	Mailing address:
		Street or P.O. Box:
		City or Town: State: Zip:
	d.	Facility Address:
		(not P.O. Box)
	e.	Total dry metric tons per 365-day period received from this facility: dry metric tons
	f.	Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics:
3.	Treat	ment Provided at Your Facility.
	a.	Which class of pathogen reduction is achieved for the sewage sludge at your facility? Class AClass BNeither or unknown
	b.	Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
	c.	Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids)
		Option 2 (Anaerobic process, with bench-scale demonstration)
		Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration)
		Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
		Option 5 (Aerobic processes plus raised temperature)
		Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5)
		Option 6 (Raise ph to 12 and retain at 11.3) Option 7 (75 percent solids with no unstabilized solids)
		Option 7 (73 percent solids with no distabilized solids) Option 8 (90 percent solids with unstabilized solids)
		None or unknown
	d.	Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce
	u.	vector attraction properties of sewage sludge:
	e.	Describe, on this form or another sheet of paper, any other sewage sludge treatment activities, including blending, not identified in a - d above:
4.	-	ration of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements and
		of Vector Attraction Reduction Options 1-8 (EQ Sludge).
		rage sludge from your facility does not meet all of these criteria, skip Question 4.)
	a.	Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land: dry metric tons
	b.	Is sewage sludge subject to this section placed in bags or other containers for sale or give-away? YesNo

FAC	ILITY N	VPDES PERMIT NUMBER:
5.		or Give-Away in a Bag or Other Container for Application to the Land.
		plete this question if you place sewage sludge in a bag or other container for sale or give-away prior to land application. Skip this
		on if sewage sludge is covered in Question 4.)
	a.	Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility
		for sale or give-away for application to the land: dry metric tons
	b.	Attach, with this application, a copy of all labels or notices that accompany the sewage sludge being sold or
	0.	given away in a bag or other container for application to the land.
6.	Shipi	ment Off Site for Treatment or Blending.
	(Com	plete this question if sewage sludge from your facility is sent to another facility that provides treatment or blending. This question
		not apply to sewage sludge sent directly to a land application or surface disposal site. Skip this question if the sewage sludge is
	covere	ed in Questions 4 or 5. If you send sewage sludge to more than one facility, attach additional sheets as necessary.)
	a.	Receiving facility name:
	b.	Facility contact:
		Title:
		Phone: ()
	c.	Mailing address:
		Street or P.O. Box:
		City or Town: State: Zip:
	d.	Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: dry
		metric tons
	e.	List, on this form or an attachment, the receiving facility's VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the receiving facility's sewage sludge use or disposal practices:
		Permit Number: Type of Permit:
	f.	Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your
		facility?YesNo
		Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility?
		Class AClass BNeither or unknown
		Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to
		reduce pathogens in sewage sludge:
	g.	Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the
	۶.	sewage sludge? Yes No
		Which vector attraction reduction option is met for the sewage sludge at the receiving facility?
		Option 1 (Minimum 38 percent reduction in volatile solids)
		Option 2 (Anaerobic process, with bench-scale demonstration)
		Option 2 (Amacrobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration)
		Option 3 (Actobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
		Option 5 (Aerobic processes plus raised temperature)
		Option 6 (Raise pH to 12 and retain at 11.5)
		Option 7 (75 percent solids with no unstabilized solids)
		Option 8 (90 percent solids with unstabilized solids)
		None unknown
		Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to
		reduce vector attraction properties of sewage sludge:
	h.	Does the receiving facility provide any additional treatment or blending not identified in f or g above?
		YesNo
		If yes, describe, on this form or another sheet of paper, the treatment processes not identified in f or g above:
	i.	If you answered yes to f., g or h above, attach a copy of any information you provide to the receiving facility

to comply with the "notice and necessary information" requirement of 9 VAC 25-31-530.G.

FACIL	ITY NA	ME: VPDES PERMIT NUMBER:
	j	Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land?YesNo
	k.	If yes, provide a copy of all labels or notices that accompany the product being sold or given away. Will the sewage sludge be transported to the receiving facility in a truck-mounted watertight tank normally used for such purposes? Yes No. If no, provide description and specification on the vehicle used to transport the sewage sludge to the receiving facility.
		Show the haul route(s) on a location map or briefly describe the haul route below and indicate the days of the week and the times of the day sewage sludge will be transported.
7.		pplication of Bulk Sewage Sludge. te Question 7.a if sewage sludge from your facility is applied to the land, unless the sewage sludge is covered in Questions 4, 5 or 6;
	complete a.	Question 7.b, c & d only if you are responsible for land application of sewage sludge.) Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:dry metric tons
	b.	Do you identify all land application sites in Section C of this application?YesNo If no, submit a copy of the Land Application Plan (LAP) with this application (LAP should be prepared in accordance with the instructions).
	c.	Are any land application sites located in States other than Virginia?YesNo If yes, describe, on this form or on another sheet of paper, how you notify the permitting authority for the States where the land application sites are located. Provide a copy of the notification.
	d.	Attach a copy of any information you provide to the owner or lease holder of the land application sites to comply with the "notice and necessary" information requirement of 9 VAC 25-31-530 F and/or H (Examples may be obtained in Appendix IV).
8.	Surface	Disposal.
	(Comple	te Question 8 if sewage sludge from your facility is placed on a surface disposal site.)
	a.	Total dry metric tons per 365-day period of sewage sludge from your facility placed on all surface disposal sites: dry metric tons
	b.	Do you own or operate all surface disposal sites to which you send sewage sludge for disposal? YesNo
		If no, answer questions c - g for each surface disposal site that you do not own or operate. If you send sewage sludge to more than one surface disposal site, attach additional pages as necessary.
	c. d.	Site name or number: Contact person:
	u.	Title:
		Phone: ()
		Contact is:Site OwnerSite operator
	e.	Mailing address. Street or P.O. Box:
		City or Town: State: Zip:
	f.	Total dry metric tons per 365-day period of sewage sludge from your facility placed on this surface disposal site: dry metric tons
	g.	List, on this form or an attachment, the surface disposal site VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the sewage sludge use or disposal practices at the surface disposal site:
		Permit Number: Type of Permit:
9.	Incinera	
٦.		te Question 9 if sewage sludge from your facility is fired in a sewage sludge incinerator.)
	a.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in a sewage sludge incinerator: dry metric tons

FACI	LITY N	AME: VPDES PERMIT NUMBER:
	b.	Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? Yes No
		If no, answer questions c - g for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one sewage sludge incinerator, attach additional pages as necessary.
	c.	Incinerator name or number:
	d.	Contact person:
		Title:
		Phone: ()
		Contact is:Incinerator OwnerIncinerator Operator
	e.	Mailing address.
	C.	Street or P.O. Box:
	£	City or Town: State: Zip:
	f.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in this sewage sludge
		incinerator: dry metric tons
	g.	List on this form or an attachment the numbers of all other federal, state or local permits that regulate the
		firing of sewage sludge at this incinerator:
		Permit Number: <u>Type of Permit:</u>
10.	Dispo	osal in a Municipal Solid Waste Landfill.
	(Comp	olete Question 10 if sewage sludge from your facility is placed on a municipal solid waste landfill. Provide the following information
	for eac	h municipal solid waste landfill on which sewage sludge from your facility is placed. If sewage sludge is placed on more than one
	munici	ipal solid waste landfill, attach additional pages as necessary.)
	a.	Landfill name:
	b.	Contact person:
		Title:
		Phone: ()
		Contact is:Landfill OwnerLandfill Operator
	c.	Mailing address.
		Street or P.O. Box:
		City or Town: State: Zip:
	d.	Landfill location.
	u.	Street or Route #:
		County:
		City or Town: State: Zip:
	e.	Total dry metric tons per 365-day period of sewage sludge placed in this municipal solid waste landfill:
		dry metric tons
	f.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the
		operation of this municipal solid waste landfill:
		Permit Number: <u>Type of Permit:</u>
	g.	Does sewage sludge meet applicable requirements in the Virginia Solid Waste Management Regulation, 9
		VAC 20-80-10 et seq., concerning the quality of materials disposed in a municipal solid waste landfill?
		YesNo
	h.	Does the municipal solid waste landfill comply with all applicable criteria set forth in the Virginia Solid
		Waste Management Regulation, 9 VAC 20-80-10 et seq.?YesNo
	i.	Will the vehicle bed or other container used to transport sewage sludge to the municipal solid waste landfill
		be watertight and covered? Yes No
		Show the haul route(s) on a location map or briefly describe the route below and indicate the days of the
		week and time of the day sewage sludge will be transported.
		week and this of the day be wase bladse will be transported.

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VPDES PERMIT NUMBER:

SECTION C. LAND APPLICATION OF BULK SEWAGE SLUDGE

Complete this section for sewage sludge that is land applied unless any of the following conditions apply:

The sewage sludge meets the Table 1 ceiling concentrations, the Table 3 pollutant concentrations, Class A pathogen requirements and one of the vector attraction reduction options 1-8 (fill out B.4 instead) (EQ Sludge); or

The sewage sludge is sold or given away in a bag or other container for application to the land (fill out B.5 instead); or

You provide the sewage sludge to another facility for treatment or blending (fill out B.6 instead).

Complet	e Section (for every site on which the sewage sludge that you reported in B.7 is land applied.					
1.	Identification of Land Application Site.						
	a.	Site name or number:					
	b.	Site location (Complete i and ii)					
		i. Street or Route#:					
		County					
		City or Town: State: Zin:					
		City or Town: State: Zip: ii. Latitude: Longitude:					
		Method of latitude/longitude determination					
		USGS map Filed survey Other					
	c.	Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable					
		that shows the site location.					
2.	Owner	Information.					
	a.	Are you the owner of this land application site?YesNo					
	b.	If no, provide the following information about the owner:					
		Name:					
		Street or P.O. Box:					
		City or Town: State: Zip:					
		Phone: ()					
3.	Applier	Information:					
	a.	Are you the person who applies, or who is responsible for application of, sewage sludge to this land					
		application site?YesNo					
	b.	If no, provide the following information for the person who applies the sewage sludge:					
	0.	Name:					
		Street or P.O. Box:					
		City or Town: State: Zip:					
		Phone: ()					
	c.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the person					
		who applies sewage sludge to this land application site:					
		Permit Number: Type of Permit:					
		<u>-,p</u>					
4.		pe. Identify the type of land application site from among the following:					
		cultural landReclamation siteForest					
	Pub	ic contact siteOther. Describe					
5.	Vector	Attraction Reduction.					
	Are any vector attraction reduction requirements met when sewage sludge is applied to the land application site?						
		SNo If yes, answer a and b.					
	a.	Indicate which vector attraction reduction option is met:					
		Option 9 (Injection below land surface)					
		Option 10 (Incorporation into soil within 6 hours)					
	b.	Describe, on this form or on another sheet of paper, any treatment processes used at the land application site					
		to reduce the vector attraction properties of sewage sludge:					

FACIL	ITY NAN	ME:	VPDES PERMIT NUMBER:
6.	Cumulat	tive Loadings and Remaining	Allotments.
			dge applied to this site since July 20, 1993 is subject to the cumulative pollutant loading rates
	a.		the permitting authority in the state where the sewage sludge subject to the certain whether bulk sewage sludge subject to the CPLRs has been applied to this Yes No
			to the CPLRs may <u>not</u> be applied to this site.
		If yes, provide the following	
		Permitting authority:	
		Contact person:	
		Phone:()	
	b.		bulk sewage sludge subject to the CPLRs been applied to this site since July 20,
			skip the rest of Question 6. If yes, answer questions c - e.
	C.		(one hectare = 2.471 acres)
	d.		nation for every facility other than yours that is sending or has sent sewage
		Č ů	to this site since July 20, 1993. If more than one such facility sends sewage
		sludge to this site, attach add	nuonai pages as necessary.
		Facility name: Facility contact:	
		Title:	
		Phone: ()	
		Mailing address.	
		Street or P.O. Box:	
			State: Zip:
	e.		d allotment remaining, in kg/hectare, for each of the following pollutants: Cumulative loading Allotment remaining
		Arsenic	
		Cadmium	
		Copper	
		Lead	
		Mercury	
		Nickel _	
		Selenium	
		Zinc _	
by these o	uestions m		ge sludge, or you are responsible for land application of sewage sludge. Information required this form. Skip the following questions if you contract land application to someone else (as e operation.
7.	Sludge (le below or a separate attachment, provide at least one analysis for each
		PCBs (mg/kg)	
		pH (S. U.)	
		Percent Solids (%)	
		Ammonium Nitrogen (mg/kg	g)
		Nitrate Nitrogen (mg/kg)	
		Total Kjeldahl Nitrogen (mg	t/kg)
		Total Phosphorus (mg/kg)	
		Total Potassium (mg/kg)	
		Alkalinity as CaCO ₂ * (mg/kg	σ)

Lime treated sludge (10% or more lime by dry weight) should be analyzed for percent CaCO₃.

- necessary attachments (attached at end of VPDES Sewage Sludge Permit Application Form) for each landowner if sewage sludge is to be applied onto land not owned by the applicant.
- 11. Ground Water Monitoring. Are any ground water monitoring data available for this land application site? ___Yes ___No If yes, submit the ground water monitoring data with this permit application. Also submit a written description of the well locations, approximate depth to ground water, and the ground water monitoring procedures used to obtain these data.
- 12. Land Application Site Information. (Complete Items a-d for sites receiving infrequent application - land application of sewage sludge up to the agronomic rate at a frequency of once in a 3 year period; complete Items a-h for sites receiving frequent application - land application of sewage sludge in excess of 70%

the agronomic rate at a frequency greater than once in a 3 year period)

- Provide a general location map for each county which clearly indicates the location of all the land application sites.
- b. For each land application site provide a site plan of sufficient detail to clearly show the concerned landscape features and associated buffer zones (See instructions). Provide a legend for each landscape feature and the net acreage for each field taking into account the proposed buffer zones.
- In order to ensure that land application of bulk sewage sludge will not impact federally listed threatened or endangered species or federally designated critical habitat, the applicant must notify the field office of the U.
 S. Department of the Interior, Fish and Wildlife Service (FWS), by a letter, the proposed land application activities with the identification of the land application sites. The address and phone number of FWS are provided below.

U. S. Fish and Wildlife Service Virginia Field Office 6669 Short Lane Gloucester, VA 23061 TEL: (804)693-6694

Provide a copy of the notification letter with this application form.

d. Provide a soil survey map, preferably photographically based, with the field boundaries clearly marked. (A USDA-SCS soil survey map should be provided, if available.)

Provide a detailed legend for each soil survey map which uses accepted USDA-SCS descriptions of the typifying pedon for each soil series (soil type). Complex associations may be described as a range of characteristics. Soil descriptions shall include as a minimum the following information.

- 1) Soil symbol
- 2) Soil series, textural phase and slope range
- 3) Depth to seasonal high water table
- 4) Depth to bedrock
- 5) Estimated soil productivity group (for the proposed crop rotation)

Item e - h are required for sites receiving frequent application of sewage sludge

- e. In order to verify the information provided in item d, characterize the soil at each land application site. Representative soil borings or test pits to a depth of five feet or to bedrock if shallower, are to be coordinated for the typifying pedon of each soil series (soil type). Soil descriptions shall include as a minimum the following information:
 - 1). Soil symbol
 - 2). Soil series, textural phase and slope range
 - 3). Depth to seasonal high water table
 - 4). Depth to bedrock
 - 5). Estimated soil productivity group (for the proposed crop rotation)

f. Collect and analyze soil samples from each field, weighted to best represent each of the soil borings performed for Item e. Using the table below or a separate attachment, provide at least one analysis per sample for each of the following parameters.

Soil Organic Matter (%)

Soil pH (std. units)

Cation Exchange Capacity (meq/100g)

Total Nitrogen (ppm)

Organic Nitrogen (ppm)

Ammonia Nitrogen (ppm)

Nitrate Nitrogen (ppm)

Available Phosphorus (ppm)

Exchangeable Potassium (mg/100g)

Exchangeable Sodium (mg/100g)

Exchangeable Calcium (mg/100g)

Exchangeable Magnesium (mg/100g)

Arsenic (ppm)

Cadmium (ppm)

Copper (ppm)

Lead (ppm)

Mercury (ppm)

Molybdenum (ppm)

Nickel (ppm)

Selenium (ppm)

Zinc (ppm)

Manganese (ppm)

Particle Size Analysis or

USDA Textural Estimate (%)

- g. Relate the crop nutrient needs to anticipated yields, soil productivity rating and the various fertilizer or nutrient sources from sludge and chemical fertilizers. Describe any specialized agronomic management practices which may be required as a result of high soil pH. If the sludge is expected to possess an unusually high CCE or other unusual properties, provide a description of any plant tissue testing, supplemental fertilization or intensive agronomic management practices which may be necessary.
- h. Using a narrative format and referencing any related charts, describe the proposed cropping system. Show how the crop rotation and management will be coordinated with the design of the land application system. Include any supplemental fertilization program, soil testing and the coordination of tillage practices, planting and harvesting schedules and timing of land application.

SECTION D. SURFACE DISPOSAL

Complete this section only if you own or operate a surface disposal site. Provide the information for each active sewage sludge unit.

1.	Inform	nation on Active Sewage Sludge Units.
	a.	Unit name or number:
	b.	Unit location
		i. Street or Route#:
		County:
		City or Town: State: Zip:
		ii. Latitude: Longitude:
		Method of latitude/longitude determination
		USGS map Filed survey Other
	c.	Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable)
	C.	that shows the site location.
	d.	Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period:
	u.	dry metric tons.
	e.	Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit:
	C.	dry metric tons.
	f.	Does the active sewage sludge unit have a liner with a minimum hydraulic conductivity of
	1.	1 x 10 ⁻⁷ cm/sec?YesNo If yes, describe the liner or attach a description.
		1 x 10 character108100 in yes, describe the liner of attach a description.
	g.	Does the active sewage sludge unit have a leachate collection system?YesNo
		If yes, describe the leachate collection system or attach a description. Also, describe the method used for
		leachate disposal and provide the numbers of any federal, state or local permits for leachate disposal:
	h.	If you answered no to either f or g, answer the following:
		Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface
		disposal site?YesNo If yes, provide the actual distance in meters:
	i.	Remaining capacity of active sewage sludge unit, in dry metric tons: dry metric tons
		Anticipated closure date for active sewage sludge unit, if known: (MM/DD/YYYY)
		Provide with this application a copy of any closure plan developed for this active sewage sludge unit.
2.	Sewag	e Sludge from Other Facilities.
		age sludge sent to this active sewage sludge unit from any facilities other than yours?YesNo
		provide the following information for each such facility, attach additional sheets as necessary.
	a.	Facility name:
	b.	Facility contact:
		Title:
		Phone: ()
	c.	Mailing address.
		Street or P.O. Box:
		City or Town: State: Zip:
	d.	List, on this form or an attachment, the facility's VPDES permit number as well as the numbers of all other
		federal, state or local permits that regulate the facility's sewage sludge management practices:
		Permit Number: Type of Permit:
		1,po of 1 of min.
	e.	Which class of pathogen reduction is achieved before sewage sludge leaves the other facility?
		Class AClass BNeither or unknown
	f.	Describe, on this form or on another sheet of paper, any treatment processes used at the other facility to
		reduce pathogens in sewage sludge:

	g.	Which vector attraction reduction option is achieved before sewage sludge leaves the other facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids)		
	h.	None or unknown Describe, on this form or another sheet of paper, any treatment processes used at the other facility to reduce vector attraction properties of sewage sludge:		
	i.	Describe, on this form or another sheet of paper, any other sewage sludge treatment activities performed by the other facility that are not identified in e - h above:		
3.	Vector Attraction Reduction.			
	a.	Which vector attraction reduction option, if any, is met when sewage sludge is placed on this active sewage sludge unit? Option 9 (Injection below land surface) Option 10 (Incorporation into soil within 6 hours) Option 11 (Covering active sewage sludge unit daily)		
	b.	Describe, on this form or another sheet of paper, any treatment processes used at the active sewage sludge unit to reduce vector attraction properties of sewage sludge:		
4.	Ground Water Monitoring.			
	a.	Is ground water monitoring currently conducted at this active sewage sludge unit or are ground water monitoring data otherwise available for this active sewage sludge unit?YesNo If yes, provide a copy of available ground water monitoring data. Also provide a written description of the well locations, the approximate depth to ground water, and the ground water monitoring procedures used to obtain these data.		
	b.	Has a ground water monitoring program been prepared for this active sewage sludge unit? YesNo If yes, submit a copy of the ground water monitoring program with this application.		
	c.	Have you obtained a certification from a qualified ground water scientist that the aquifer below the active sewage sludge unit has not been contaminated?YesNo If yes, submit a copy of the certification with this application.		
5.	Are you	ecific Limits. seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit? No If yes, submit information to support the request for site-specific pollutant limits with this application.		

FACILITY NAME:____

VPDES PERMIT NUMBER:

LAND APPLICATION AGREEMENT - BIOSOLIDS

the Landowner in the event individual parcels identified	erminated in writing by eith of a sale of one or more p in this agreement changes	between, referred to here as the "Permitter party or, with respect to those arcels, until ownership of all parces, those parcels for which owners residuals under this agreement.	parcels that are retained by cels changes. If ownership of				
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real prop or reclamation sites identi	perty located in fied below in Table 1 and identific	_, Virginia, which includes ed on the tax map(s)				
	Table 1.: Parcels aut	horized to receive biosolids					
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID				
□ Additional parcels containing Lan	d Application Sites are identified	on Supplement A (check if applicable)					
Check one: ☐ Th	e Landowner is the sole ov	vner of the properties identified h tiple owners of the properties ide					
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.							
notify the Permittee immedi	ately if conditions change	olication on the fields identified he such that the fields are no longer invalid or the information herein	available to the Permittee				
above and in Exhibit A. Th	e Landowner also grants pring or after land application	nittee to land apply biosolids on the ermission for DEQ staff to conduct on of biosolids for the purpose of the	ct inspections on the land				
Landowner – Printed Name, Title	e Signature	Mailin	g Address				
Permittee:	e Permittee, agrees to apply b	iosolids on the Landowner's land in	the manner authorized by the				
		e rates identified in the nutrient mana h <u>§10.1-104.2 of the Code of Virgini</u>					
		wner's designee of the proposed sch ner's land. Notice shall include the s					
		the person signing for landowner a t check this box if the landowner signs th					
Permittee – Authorized Represe		Mailin	g Address				

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LAND APPLICATION AGREEMENT - BIOSOLIDS

Permittee:	County or City:
Landowner:	

Landowner Site Management Requirements:

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

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

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

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

2. Public Access

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

3. Crop Restrictions:

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

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

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

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LAND APPLICATION AGREEMENT - BIOSOLIDS

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and each of the legal landowners of those tax parcels. A *Land Application Agreement – Biosolids* form, pages 1 and 2 with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:	
County or City:	
Please Print	(Signatures not required on this page)
Tax Parcel ID(s)	<u>Landowner(s)</u>

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LAND APPLICATION AGREEMENT - BIOSOLIDS

Permittee:		City/County:							
Landowner:									
Supplement A: Additional Land Application Sites									
Table 1 continued: Parcels authorized to receive biosolids.									
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID						

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Mailing Address

Signature

Landowner - Printed Name