MARYLAND DEPARTMENT OF THE ENVIRONMENT
Land and Materials Administration · Resource Management Program
1800 Washington Boulevard · Suite 610 · Baltimore Maryland 21230-1719
410-537-3314 · 800-633-6101 x3314 · www.mde.maryland.gov

NOTICE OF INTENT FOR COVERAGE

General Discharge Permit for Animal Feeding Operations (AFOs)

Maryland Permit Number: 25AF

National Pollutant Discharge Elimination System (NPDES) Permit Number: MDG01

Submission of this Notice of Intent (NOI) constitutes notice that the person identified in this form intends to operate under and comply with all terms and conditions of the State/NPDES General Discharge Permit for AFOs (AFO Permit). The discharge of animal waste, including manure, poultry litter, and process wastewater to waters of the State is prohibited unless an AFO has been registered under the AFO Permit by the Maryland Department of the Environment ("MDE"). A person shall hold a CAFO discharge permit issued by MDE before beginning construction on any part of a new CAFO. Incomplete Notices of Intent, including unpaid annual fees, may be rejected by MDE.

Please submit this completed NOI Form to the following email address:
cafopermits.mde@maryland.gov

Or mail to:
Maryland Department of the Environment
Land and Materials Administration/AFO Division
1800 Washington Boulevard, Suite 610
Baltimore, Maryland 21230-1719

General Information

AI Number: _____

1. **LEGAL Name of Applicant** *(must match name on required plan)*:

Haroonali Chaudhry

2. **AFO Type** *(check one)*
   - ☐ Maryland Animal Feeding Operation (MAFO)
   - ☒ Concentrated Animal Feeding Operation (CAFO)

3. **Applying for** *(check one)*:
   - ☒ New Coverage
   - ☐ Continuation of Coverage
   - ☐ Modification of 25AF coverage

4. **Reason for NOI** *(please fill out corresponding column)*

A. New Coverage	B. Continuation of Coverage (renewal)	C. Modification of 25AF Coverage
☒ New owner/operator	☐ No changes in operation	☐ Expanding
☐ Proposed operation *(NO construction may begin until permit coverage is obtained)* Date of anticipated start of AFO operation:	☐ There has been a change in one or more of the following *(please indicate)*: o Size or number of houses o Animal number, resulting in change of size category o CAFO to MAFO, MAFO to CAFO o No-Land to Land, Land to No-Land o Conventional to an organic operation	☐ Change in animal number, resulting in change of size category ☐ Change from CAFO to MAFO ☐ Change from MAFO to CAFO ☐ Change from no-land to land ☐ Change from land to no-land Change from conventional to an organic operation

Farm Information

5. Mailing Address of Applicant: 5230 Farm Lane		
City: Greenwood	*State* DE	*Zip* 19950
6. Applicant Contact Information:	*(Home)*	
	(Cell)	[redacted]
	(Email)	

Applicant (Owner/Operator Information)

Please attach a topographic map including the production area as well as the land application area (if applicable)

7. Farm Name: Langrial Farm	*Same as Legal Name* *Other (Please Specify)*	
8. **Farm Address:** 6718 Dion Road		
City Federalsburg	*County* Caroline	*Zip Code* 21632
9. Watershed/Hydrologic Unit Code (HUC) (12-digit): 02-13-03-06-0614		
10. Latitude/Longitude of Production Area (Deg/Min/Sec): 38-47-16 / 75-46-12		

11. Animal Information

A. Animal Type(s) *(from AFO size chart)*	B. Maximum Number of Animals *at any given time* *(For poultry, please indicate bird type and number per flock)*	C. Operation Size *(consult AFO size chart)*	D. Animal Confinement Type *(e.g. house, feedlot, barn, milking parlor, pen)*
Roasters	72,000	medium	chicken houses

12. **Total number of acres controlled by applicant available for land application of manure/litter/process wastewater: *Owned:* *Leased:*

***40 CFR Parts 122.23(b)(3) and 412.2(e) define "land application area" as "all land under the control of the AFO owner/operator, whether by ownership, lease, or agreement, to which manure, litter or process wastewater from the production area is or may be applied." Land under the control of the AFO owner/operator means:*

- *Land that is owned and operated by the applicant; or*
- *Land the applicant does not own but operates, manages, or otherwise decides how nutrients from the CAFO/MAFO are to be applied, such as through a rental or lease agreement.*

*For poultry only (13-16):

13. *Number of Poultry Houses	4 houses	
14. *Combined square footage of *all* poultry houses:	84,000 sq ft.	
15. *Date(s) poultry houses constructed:	≈ 1996	
16. *Integrator *(check one)*:	*Contact Information*	
☐ Allen-Harim / ☐ Mountaire	Phone: 443-205-9440 – Don White	
☑ Amick / ☐ Perdue	Address:	
☐ Coleman (Organic) / ☐ Tyson		
☐ Other (Please Specify):		

Manure/Mortality Management

17. Total Manure/Litter/Wastewater generated *annually*: 600	☑ tons ☐ lbs ☐ gallons
18. Total Manure/Litter/Wastewater transported offsite *annually*: varies - see NMP litter quantity estimate page	☐ tons ☐ lbs ☐ gallons

19. Total Manure Storage *(please list individually)*:

A. Type *(e.g. shed, lagoon, pit)*	B. Capacity *(ft^3, gal)*	C. Solid/Liquid
roofed shed 40x76	≈ 17,500 cu ft	solid
" " 40x84	≈ 19,500 cu ft	"

20. Mortality Management Method

☑ Compost ☐ Incinerate
☐ Freeze ☐ Other *(Please Specify)*: _____
☐ Render

MDEnviroScreen Tool EJ Score

The MDEnviroScreen EJ Score is an overall evaluation of an area's circumstances using environmental and other indicators. Under Section 1-601.1 of the Environment Article, Annotated Code of Maryland, a person applying for coverage under the General Permit for Animal Feeding Operations shall include in the application the EJ Score from the Maryland EJ tool for the census tract where the applicant is seeking a permit. MDEnviroScreen can be accessed at:

https://mde.maryland.gov/Environmental_Justice/Pages/MDEnviroScreen.aspx

21. EJ Score	32.9

CAFOs Only - Fees

- Pursuant to COMAR 26.08.04.09-1(J), the first annual fee payment shall be submitted to MDE with the NOI Form. MDE will invoice the applicant for any future permit annual fees owed pursuant to COMAR 26.08.04.09-1. The fees shall be paid annually, no later than the anniversary of the effective date of the permit.
- Annual fees will be based on the size of the operation (see AFO size chart) and are based on Table 1 under regulation 26.08.03.09(3). Medium CAFOs shall pay a $600 yearly fee and Large CAFOs shall pay a $1,200 yearly fee. The CAFO AI # and the payment code should be on the check's memo:
    - Payment Code: AF PCA 13734, Comp Object 5651, Agency Object 5651
- All fees shall be mailed to:

Maryland Department of the Environment
P.O. Box 1417
Baltimore, Maryland 21203-1417

Required Plan and Other Requirements

CAFO permit application requirements at 40 CFR §122.21(i)(1)(x) specify that applications for coverage (including NOIs) must include nutrient management plans (NMPs) that at a minimum satisfy the requirements specified in 40 §122.42(e). Comprehensive Nutrient Management Plans (CNMPs), as defined in the General Discharge Permit for Animal Feeding Operations (AFOs) (25AF, MDG01), satisfy these requirements. An application will not be processed until a completed NOI form and a current CNMP are received. A CNMP must be developed by a certified and licensed plan writer, and in addition to the federal requirements, must satisfy the nutrient management requirements in COMAR 15.20.07 and 15.20.08.

Pursuant to Section 1-202 of the Environment Article, MDE cannot issue a license or permit an employer with covered employees as defined by § 9-101 of the Labor and Employment Article. The employer shall file with MDE: (1) A certificate of compliance with the Maryland Workers' Compensation Act; or (2) The number of a workers' compensation insurance policy or binder.

Pursuant to Section 1-203(b) of the Environment Article, MDE cannot renew a license or permit to a permittee who has undisputed taxes and unemployment insurance contributions payable to the comptroller or the Secretary of Labor.

Certification

The personal information requested on this form is intended to be used in processing your NOI. This Notice is provided pursuant to Title 4 of the General Provisions Article, Annotated Code of Maryland. Your NOI may not be processed if you fail to provide all requested information. You have the right to inspect, amend, or correct this form. MDE is a public agency and subject to the Maryland Public Information Act (Md. Code Ann., Gen. Prov. §§ 4-101, et seq.). This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not otherwise protected by federal or State law.

By signing this form, I, the permittee, do solemnly affirm under the penalties of perjury that the contents of this application are true to the best of my knowledge, information, and belief. I hereby authorize representatives of MDE to have access to the AFO and associated lots/facilities (farms) for inspection at all reasonable times. I further authorize representatives of MDE to have access to records relating to this application and the AFO and associated lots/facilities (farms) for review and inspection at all reasonable times. I acknowledge that depending on the type of permit applied for, other permits or approvals may be required.

Signature of Permittee: _____ **Date:** 05/13/2026

Printed Name of Permittee: Harcandi Chaudhry **Title:** operator

AFO Size Chart

Animal Type	Circumstances under which Animal Feeding Operations Require Permit Coverage		
	CAFO or MAFO Registration Required	**CAFO/MAFO Registration Required under Certain Circumstances**	**Registration Needed Only if Designated**
	Large	**Medium**	**Small**
Cattle (includes heifers)	1000 or more animals	300—999 animals	less than 300 animals
Dairy cattle	700 or more animals	200—699 animals	less than 200 animals
Horses	500 or more animals	150—499 animals	less than 150 animals
Veal	1000 or more animals	300—999 animals	less than 300 animals
Swine ≥ 55 pounds	2500 or more animals	750—2499 animals	less than 750 animals
Swine < 55 pounds	10,000 or more animals	3,000—9,999 animals	less than 3,000 animals
Sheep and lambs	10,000 or more animals	3,000—9,999 animals	less than 3,000 animals
Ducks with liquid manure handling+	5,000 or more animals	1,500—4,999 animals	less than 1,500 animals
Chickens with liquid manure handling	30,000 or more animals	9,000—29,999 animals	less than 9,000 animals
Ducks with dry manure handling	30,000 or more animals	10,000—29,999 animals	less than 10,000 animals
Laying hens with dry manure handling	82,000 or more animals	25,000—81,999 animals	less than 25,000 animals
Chickens (other than laying hens) with dry manure handling	125,000 or more animals or greater than or equal to total house size of 100,000 ft^2	37,500—124,999 animals *and* less than total house size of 100,000 ft^2	less than 37,500 animals
Turkeys	55,000 or more animals	16,500—54,999 animals	less than 16,500 animals

+A separate discharge permit is required for large category duck CAFOs

COMPREHENSIVE NUTRIENT MANAGEMENT PLAN

FOR

Langrial Farm

Haroonali Chaudhry

LOCATION ADDRESS

6718 Dion Rd

Federalsburg, Maryland 21632

MAILING ADDRESS

5230 Farm Lane

Greenwood, Delaware 19950

PREPARED BY

Caroline Soil Conservation District

9194 Legion Road

Denton, MD 21629

Plan Date:

May 2026

COMPREHENSIVE NUTRIENT MANAGEMENT PLAN

Langrial Farm

Haroonali Chaudhry

6718 Dion Rd

Federalsburg, Maryland 21632

[redacted]

MAILING ADDRESS

5230 Farm Lane

Greenwood, Delaware 19950

PREPARED IN COOPERATION WITH THE

Maryland Department of Agriculture
Office of Resource Conservation

AND THE

Caroline Soil Conservation District

9194 Legion Road

Denton, MD 21629

Prepared by: Stephanie Knutsen

Plan Date: May 2026

Poultry Operation (No Land Plan)

SECTION 1: CNMP Purpose and Agreement

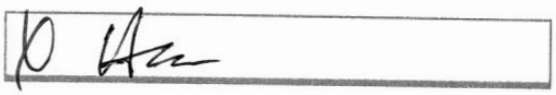
The Comprehensive Nutrient Management Plan (CNMP) is an important part of the conservation management system (CMS) for your Animal Feeding Operation (AFO). This CNMP documents the planning decisions and operation and maintenance for the AFO. This plan has been prepared in accordance with NRCS standards and specifications for a Comprehensive Nutrient Management Plan 102.

This CNMP is valid as long as there are no major changes to the operation. A plan revision will be needed when the numbers of animals deviates by 10% from the planned amount or when the operation changes from one type of livestock to another. Annual revisions will be necessary for the nutrient management system in order to account for crop changes and soil sample result changes.

This CNMP was developed paying special attention to the USEPA's required nine minimum practices for water quality protection. This plan when implemented by Haroonali Chaudhry will ensure clean runoff is diverted from manure storage and production areas and livestock are prevented from making direct contact with waters.

Owner/Operator

As the owner/operator of this CNMP, I, as the decision-maker, I have been involved in the planning process and agree that the items/practices listed in each element of the CNMP are needed. I understand that I am responsible for keeping all necessary records associated with the implementation of this CNMP. It is my intent to implement/accomplish this CNMP in a timely manner as described in the plan.



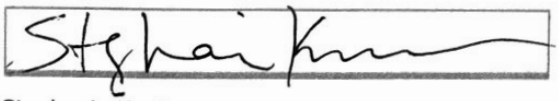
Haroonali Chaudhry

05/29/2026

Date

Certified Comprehensive Nutrient Management Plan (CNMP) Planner

As an approved Comprehensive Nutrient Management Plan (CNMP) Planner, I certify that I have reviewed the Comprehensive Nutrient Management Plan and that the elements of the documents are technically compatible, reasonable and can be implemented.



Stephanie Knutsen

5/28/26

Date

NRCS Planner Certification # 160

Nutrient Management Certification # 1398

SECTION 2: Farmstead (Production Area)

This element addresses the components and activities associated with the production facility, feedlot or animal loafing facilities, manure and wastewater storage and treatment structures and areas, animal mortality facilities, feed and other raw material storage areas, and any areas used to facilitate transfer of manure and wastewater.

Farm Locations

Farm Name	Owner	Tax Account ID	Farm #	Tract #	Account ID Acres	Watershed
Langrial Farm	Esha Farm LLC	[redacted]	2108	13124	35.75	02-13-03-06-0614

Description of Operation / Additional Information

This 4-house poultry operation is now being renovated and brought back into production after having been without birds for many years. The surrounding fields that were in cropland years ago are now growing up in woody vegetation with no current tillable ground on the parcel. All manure is exported. This is a no-land CNMP and contains a no-land NMP. Total parcel acreage is 35.75 acres with approximately 7.5 ac in the poultry headquarters, a 1.5 ac residential area, approximately 16.5 acres growing up in woody vegetation, and the remainder in mature forest.

Sensitive Environmental Information

Name of nearest regulatory waterbody	Distance to nearest regulatory waterbody (ft.)	Distance to nearest regulatory wetland (ft.)
A tributary of Tommy Wright Branch	1000	300

Account ID	12 Digit Watershed	Watershed Name	Tier II High Quality Waters Watershed	Impairments			
				Nitrogen	Phosphorus	Bacteria (e.coli, enterocci or fecal)	Sediment
[redacted]	02-13-03-06-0614	Marshyhope Creek	No	No	Yes	Yes	No

Animal Production

Poultry

Bird Type	Average Bird Weight (lbs)	Number of Houses	Total Number of Birds (All Houses)	Number of Flocks per year
Roaster	9.5	4	72,000	4.5

* See poultry litter quantity estimation sheets in the "Nutrient Management" section of this plan.

Operators must keep records of the actual:

1. Quantity estimate of litter removed from production and/or storage facility; and
2. Date of removal of litter from production and/or storage facility.

Manure Collection

Production is proposed to start in 2026 with fresh litter. In 2027 all manure will be windrowed between flocks. Beginning in 2027, one flock will be windrowed and the rest will be crusted. A center cut removing approximately 33% will take place every 2nd year. Total cleanouts are planned for every 4 years.

Manure Storage

All manure is exported to Clay MacLong from Milford, DE. Manure can be stored in the existing roofed waste storage sheds if needed (40 X 76, 40 X 84). The 40 x 84 shed is adequately sized for the operation. The 40 X 76 is not required but could be used in emergency situations.

Current / Proposed Manure Storage Conditions

Animal Type	Storage Structure	Size of Storage Structure	Storage Capacity	Date Constructed
Poultry	Roofed Waste Storage	40 X 76	17500	1/25/1995
Poultry	Roofed Waste Storage	40 X 84	19,500	4/02/1993

IMPORTANT! Manure should not be stockpiled or staged anywhere in the production area other than permanent manure storage structure for any length of time.

Transfer Information (Farm(s) receiving exported manure)

Animal Type	Name	Address
Poultry	Clay MacLong	Milford, Delaware 19963

Animal Mortality Disposal

Animals die because of disease, injury, or other causes in any confined livestock operation. The mortality rate is generally highest for newborn animals because of their vulnerability.

Catastrophic mortality can occur if an epidemic infects and destroys a large portion of the herd or flock in a short time, or if a natural disaster, such as a flood or excessive heat strikes. There are also incidences when an entire herd or flock must be destroyed to protect human health or other farms in the area.

Methods for managing mortality include:

1. Rendering
2. Composting
3. Incineration*
4. Sanitary landfills
5. Burial**
6. Disposal pits**

* Incineration may only be used with proper equipment and permits must be obtained by the producer.
** Burial and Disposal pits should only be considered for catastrophic mortality if all other methods are not possible. Haroonali Chaudhry will follow local and state guidance if it is determined that burial is an acceptable means of disposal.

Typical Mortality Management

Current Normal Mortality Disposal Method(s)

Animal Type	Disposal Method	Number of Bins/Capacity	Location of Disposal/Facility
Poultry	Composting - Bins/Channels	16ft channel style	Rear of Poultry Houses in front of the PWSS's

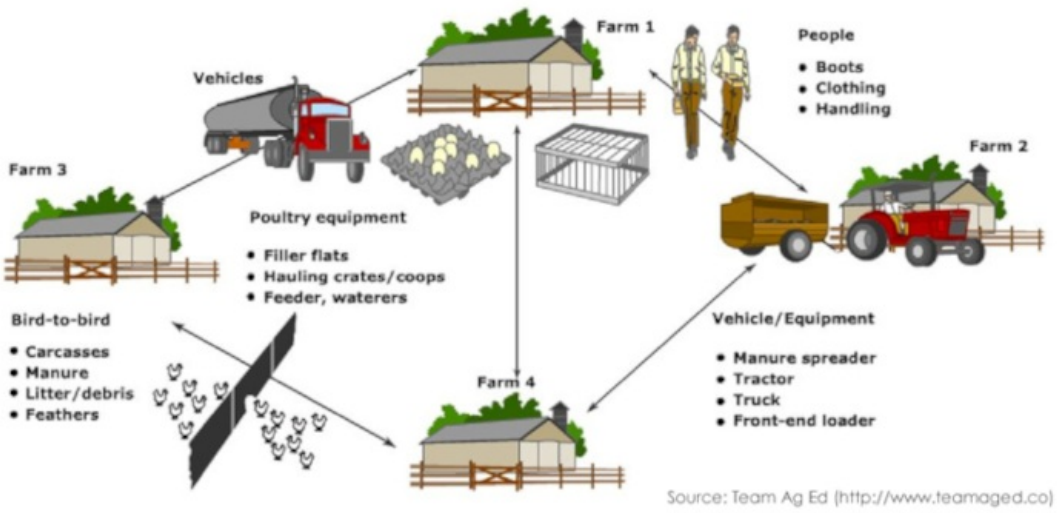
Catastrophic Mortality Management

In the event of catastrophic mortality, the operator will contact the integrator and most likely, follow an 'in house' or 'in PWSS' windrow method of composting as outlined in UMD-Ext fact sheets #723 and #801. If ‘in PWSS’ composting is used, MDE must be notified for approval.

Biosecurity

Biosecurity means doing everything possible to protect the health of livestock by preventing the transmission of disease. An outbreak of animal disease could not only harm your livestock, it could affect other nearby animals and quickly spread through your area. The economic consequences of a disease outbreak could be devastating. Taking common sense precautions to prevent disease from coming onto your farm is the best investment you can make.

How Diseases Spread (Example - Poultry Operation)



Steps to Take to Avoid Disease Spread

To reduce the risk of introducing disease entering into an animal feeding operation, maintain a biosecurity barrier (physical barrier, personal hygiene, and equipment sanitation) between wildlife, animals, animal containment areas, and other commercial facilities. Some examples of good biosecurity practices include:

1. Permit only essential workers and vehicles on the premises.
2. Give germs the boot
    a. Keep a pair of shoes or boots to wear only around your animals.
    b. Clean and disinfect your shoes often.
    c. Always ask visitors and employees to clean their boots and shoes.
3. Don't haul home disease
    a. Always clean and disinfect vehicles used for moving animals.
    b. Limit traffic of incoming people, products and vehicles that could bring in a disease.
    c. Clean and disinfect all equipment that comes in contact with your animals.
4. Keep your farm secure
    a. Restrict access to your property and animals.
    b. Keep doors and gates locked.
    c. Have tracking records on animals.
    d. Give germs space - Newly acquired animals should be isolated for at least two weeks to ensure you don't introduce disease to your main herd or flock. As an added protection, isolate and quarantine new animals for 30 days before putting them with your other animals. Keep show animals segregated for at least two weeks after they've been to a fair or exhibit.
5. Look for signs
    a. Unusual animal health symptoms or behavior
    b. Sudden, unexplained death loss in the herd or flock
    c. Severe illness affecting a high percentage of animals
    d. Blisters around an animal's mouth, nose, teats or hooves
    e. Staggering, falling or central nervous system disorders that prevent animals from rising or walking normally.
    f. Large number of dead insects, rodents or wildlife
6. Don't wait - call in signs of disease immediately. Do not self-diagnose. Seek veterinary services, as early detection is your best protection. If you have animals with signs of suspect disease, call your local veterinarian, UMD extension agent () or the state veterinarian. Rapid response and investigation are the only ways to control and eliminate disease and stop large numbers of casualties or damage to our economic system.

Farm Contact Information

The following tables contain important contact information specific to this CNMP for Haroonali Chaudhry.

Emergency Contact Information

Farm Name	Langrial Farm
Farm Address	6718 Dion Rd, Federalsburg, Maryland 21632
Mailing Address	5230 Farm Lane, Greenwood, Delaware 19950
Directions to the farm	Heading South on MD 313 towards Federalsburg, turn left onto Possum Hill Rd. Travel approximately 1.4 miles and turn left onto Dion Rd. The poultry farm is immediately to the left.

Farm Contacts

	Name	Farm Phone	Cell Phone
Farm Owner	Esha Farm LLC		[redacted]
Farm Operator	Haroonali Chaudhry		[redacted]
Fire or Ambulance	911		

State Agency Contacts

	Phone	Emergency
Natural Resources Conservation Service	410-757-0861	410-757-0861
MDA Nutrient Management	410-841-5959	1-800-492-5590
Maryland Department of the Environment	1-800-633-6101	1-866-633-4686
USDA Veterinary Services State Veterinarian	1-866-536-7593	301-854-5699

Caroline County Agency Contacts

	Day Phone	Emergency Number
MDA Regional Nutrient Management (Region)	410-479-1202 x3	410-479-1202 x3
Health Department	410-479-8045	410-479-8045
Sherriff's Office	410-479-2515	911
University of Maryland Extension Office (Denton)	410-479-1202 x3	410-479-1202 x3

Integrator Information

Name	Address	Phone
Amick Farms	274 Nealson Street, Hurlock MD 21643	410-943-3989

CAROLINE COUNTY SERVICE CENTER
9194 LEGION RD
DENTON, MD 21629
(410) 479-1202

Conservation Plan

HAROONALI CHAUDHRY
5230 FARM LN
GREENWOOD, DE 19950

OBJECTIVE(S)

Farm plan update for new owner, Esha Farm, LLC. Operator of the poultry farm is Haroonali Chaudhry. He is seeking SCD assistance with a CNMP and obtaining CAFO coverage. The farm is a 4 house operation growing approximately 72,000 roasters per flock with 4.5 flocks per year for Amick. There is an adequately sized 40 X 84 PWSS and an auxiliary PWSS that is not required but can be used in emergencies. There are existing HUA's on the house backs and on the opening of the 40 X 84 PWSS. HUA's are proposed for 2027 funding on the house fronts.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Farmstead

Tract: 13124

Amendments for Treatment of Agricultural Waste (591)

A litter amendment will be applied to the poultry house/s to reduce ammonia volatilization and to increase the proportion of nitrogen in the litter, making a more valuable and balanced fertilizer. Some amendments are also effective at reducing phosphorus solubility. Litter amendments can include the following: AL+, liquid AL+, Dry Alum, PLT, and Poultry Guard. See attached check sheet for the proper timing and application of the amendment. S& W Whitetail Farms has 4 - 40' x 500' houses and grow Roasters for Perdue Farms. There are 480 AU on the farm.. This is a three year contract and is being funded through EQIP2012 743B19120B7.

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ	480.00 AU	03	2013	480.00 AU	10/23/2012
HQ	480.00 AU	03	2014	480.00 AU	10/01/2014
HQ	480.00 AU	03	2015	480.00 AU	10/08/2015
Total:	1440.00 AU	--	--	1440.00 AU	--

Animal Mortality Facility (316)

Construct a composter to provide for the normal daily accumulation of dead birds from the poultry operation. Maintain the structure according to the operation and maintenance plan and in accord with the training provided by the Extension Service. An application has been submitted and approved by the MACS office. 2010-1895

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ	1.00 No	01	2011	1.00 No	05/09/2012
Total:	1.00 No	--	--	1.00 No	--

Comprehensive Nutrient Management Plan (102)

This is an EQIP contract item. Obtain a comprehensive nutrient management plan (CNMP) from an NRCS-approved Technical Service

Provider (TSP) that describes and documents a conservation system within a conservation plan that is unique to animal feeding operations. The CNMP addresses all aspects of the Animal Feeding Operation including manure handling, nutrient management, feed management, and other conservation practices. Maryland Department of the Environment requires that a CNMP that is developed to meet EPA/MDE CAFO regulatory requirements to control soil erosion and protect water quality must be implemented as scheduled. Any CNMP components that are funded through cost-share programs must also be implemented as scheduled.

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ	1.00 No	05	2026	1.00 No	05/21/2026
Total:	1.00 No	--	--	1.00 No	--

Heavy Use Area Protection (561)

Stabilization - Stabilize or protect an intensively used area.

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ	1600.00 SqFt	09	2027	--	--
HQ	1600.00 SqFt	09	2027	--	--
HQ	1600.00 SqFt	09	2027	--	--
HQ	1600.00 SqFt	09	2027	--	--
Total:	6400.00 SqFt	--	--	--	--

Heavy Use Area Protection (561)

Construct a Heavy Use Area (HUA) at the load-out doors of the poultry house. The Heavy Use Area will reduce erosion and improve water quality by providing a stable area for handling manure during partial or total cleanout. Follow the NRCS engineering design provided and the required Operation and Maintenance plan. A sign, provided by NRCS, will be posted so that 0&M requirements are clearly understood. Follow all EQIP contract requirements. There are 5 - 40 x 40 HUA pads planned for the W end of the poultry houses and on the S end of PWSS 1992-0451. These are being funded through CBWI FY11 Contract # 803B19110D2 and co-cost shared through MACS.

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ	0.2 Ac	03	2013	0.2 Ac	11/01/2012
Total:	0.2 Ac	--	--	0.2 Ac	--

Waste Storage Facility (313)

Construct a waste storage structure according to NRCS standards and specifications at the location as shown on the conservation plan map. Structure is designed to safely store manure until it is safe to apply to the land in accordance with the waste management plan. Follow proper operation and maintenance techniques as specified in the plan. There are two PWSS on the farm one was completed in 1993, the other was completed in 1995. The agreement #'s are NW-1992-0451 & NW- 1994-1076X.

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ	1.00 No	02	1993	1.00 No	04/02/1993
HQ	1.00 No	01	1995	1.00 No	01/25/1995
Total:	2.00 No	--	--	2.00 No	--

CERTIFICATION OF PARTICIPANTS

HAROONALI CHAUDHRY — DATE: 05/29/2026

CERTIFICATION OF:

CERTIFIED PLANNER — DATE: 5/28/26

CONSERVATION DISTRICT

CAROLINE SOD — DATE: 5/28/26

PUBLIC BURDEN STATEMENT

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collections is 0578-0013. The time required to complete this information collection is estimated to average 45/0.75 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection information.

PRIVACY ACT

The above statements are made in accordance with the Privacy Act of 1974 (5 U.S.C 522a). Furnishing this information is voluntary; however failure to furnish correct, complete information will result in the withholding or withdrawal of such technical or financial assistance. The information may be furnished to other USDA agencies, the Internal Revenue Service, the Department of Justice, or other state or federal law enforcement agencies, or in response to orders of a court, magistrate, or administrative tribunal.

USDA NON-DISCRIMINATION STATEMENT

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the State or local Agency that administers the program or contact USDA through the Telecommunications Relay Service at 711 (voice and TTY). Additionally, program information may be made available in languages other than English.

To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov

USDA is an equal opportunity provider, employer, and lender.

CONSERVATION PLAN MAP

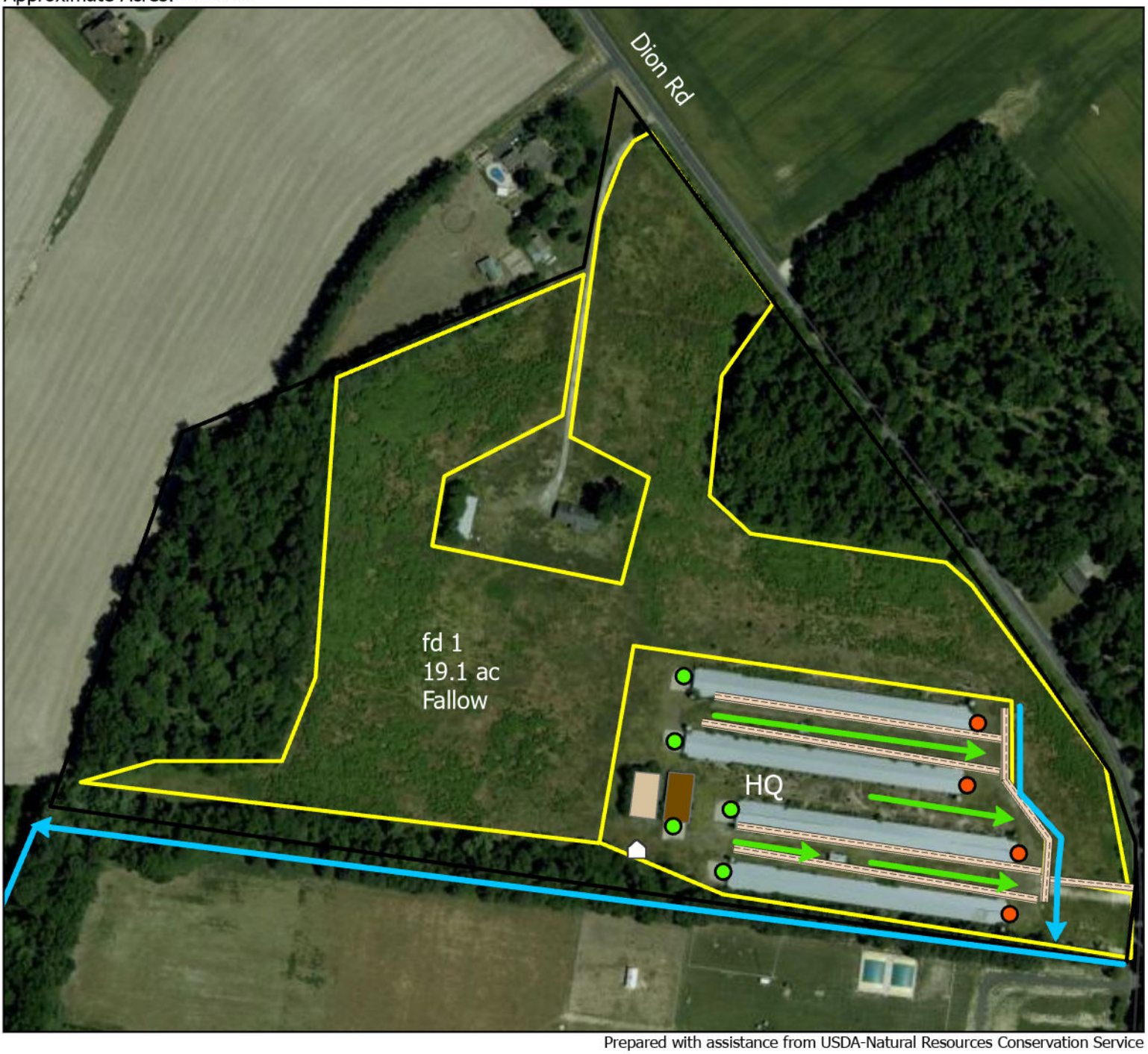
Date: 5/28/2026

Client(s): Esha Farms LLC c/o Haroonali Chaudhry

OPID: MHRD_17
F2108 T 13124
Approximate Acres: 35.75 ac

Assisted by: Stephanie Knutsen

Caroline Soil Conservation District



Prepared with assistance from USDA-Natural Resources Conservation Service

USDA

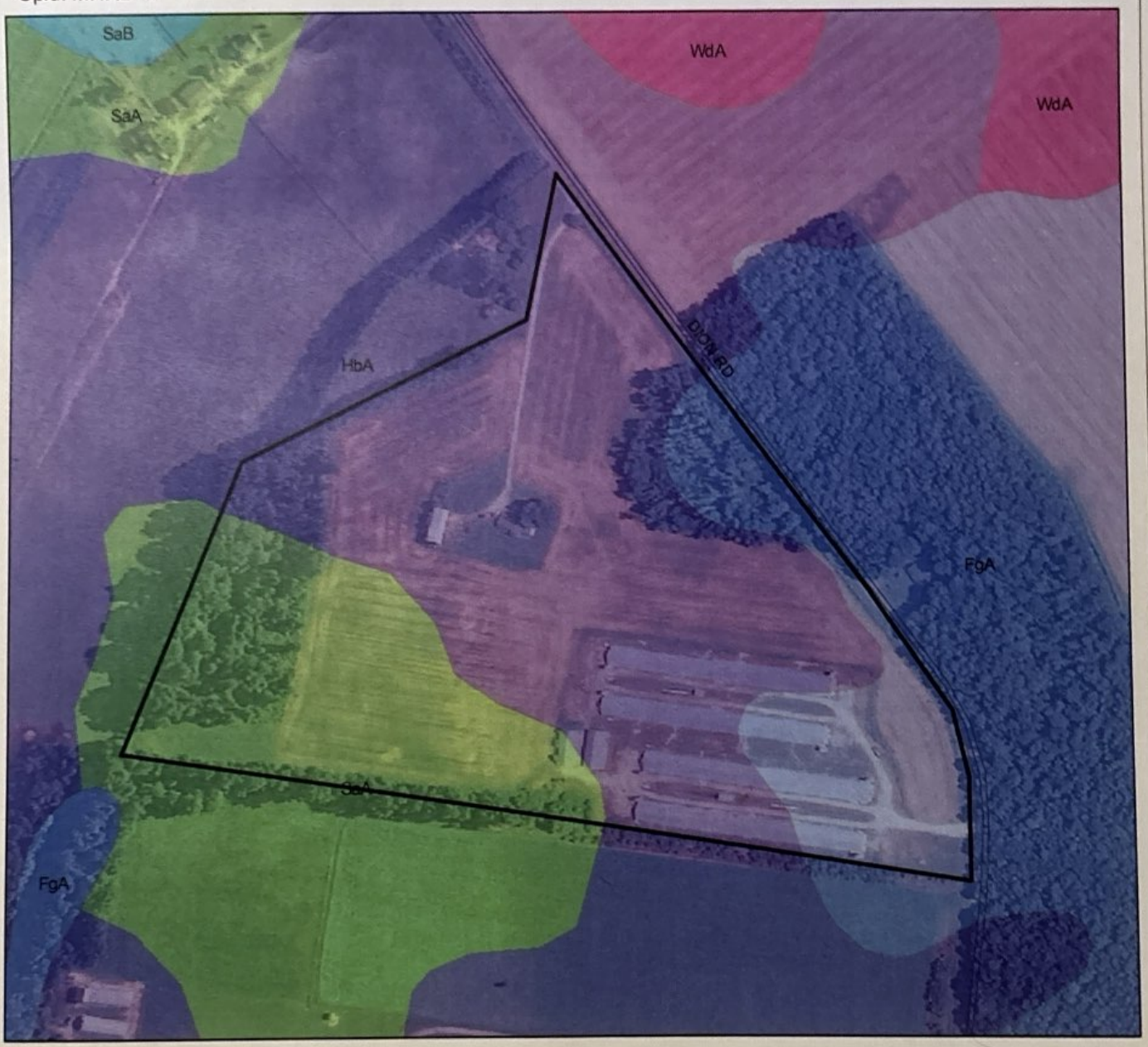
- Approximate Property Boundaries
- Field Boundaries
- Channel Composter 2010-1895
- HUA - proposed
- HUAs 40 X 40 803B1911002/ 2013-1766
- Grassed Swale
- Surface drainage
- Farm Lane
- PWSS 40 X 76 1994-1076
- PWSS 40 X 84 1992-0451

SOILS MAP

District: CAROLINE SCD

Approximate Acres: 35.7
Farm 2108 Tract 13124
Opid: MHRD-17

Date: 1/14/2011
Assisted By: Alison Taylor



330 0 330 660 Feet

N
W E
S

Soils Inventory Report

S & W WHITETAIL FARM LLC

Map Unit Symbol	Acres	Percent
FgA	6	17%
HbA	20.9	58%
SaA	8.9	25%
Total:	35.8	100%

Map Unit Description (Brief, Generated)

Caroline County, Maryland

[Minor map unit components are excluded from this report]

Map unit: FgA - Fallsington loam, 0 to 2 percent slopes

Component: Fallsington, undrained (40%)

The Fallsington, undrained component makes up 40 percent of the map unit. Slopes are 0 to 2 percent. This component is on uplands, flats. The parent material consists of loamy fluviomarine 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 high. Shrink-swell potential is low. This soil is not flooded. It is occasionally ponded. A seasonal zone of water saturation is at 5 inches during January, February, March, April. Organic matter content in the surface horizon is about 68 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Fallsington, drained (40%)

The Fallsington, drained component makes up 40 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, uplands. The parent material consists of loamy fluviomarine 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 moderate. Shrink-swell potential is low. This soil is not flooded. It is rarely ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. Irrigated land capability classification is 3w. This soil meets hydric criteria.

Map unit: HbA - Hambrook sandy loam, 0 to 2 percent slopes

Component: Hambrook (80%)

The Hambrook component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on uplands, flats. The parent material consists of loamy fluviomarine 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 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 45 inches during January. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 1. Irrigated land capability classification is 1 This soil does not meet hydric criteria.

Map unit: SaA - Sassafras sandy loam, 0 to 2 percent slopes

Component: Sassafras (80%)

The Sassafras component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on uplands, flats. The parent material consists of loamy fluviomarine 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 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. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 1. Irrigated land capability classification is 1 This soil does not meet hydric criteria.

AFO RESOURCE CONCERNS EVALUATION WORKSHEET

Name:		Haroonali Chaudhry		**Agency Interest #:**	
Planner:		Stephanie Knutsen		**Farm # / Tract #:**	2108 / 13124
Site Visit Date:		5/12/2026		**Total Acres:**	35.75
County:		Caroline		**Production Area Acres:**	7.5
RESOURCE CONCERN		**YES**	**NO**	**Assessment**	
a.	Biosecurity measures	☐	☒	The operator is following biosecurity measures as outlined by the integrator and MDA Animal Health.	
b.	Chemical handling	☐	☒	Chemicals related to poultry production are stored in the appropriate designated storage area.	
c.	Cultural resources	☐	☒	The production area is established and there are no proposed ground disturbance activities scheduled for the area.	
d.	Feedlot area	☐	☒	Not Applicable - no feedlot area.	
e.	Floodplains	☐	☒	This is an existing operation and the production area is not located in the FEMA-100 Year Floodplain as per the on-line resources available.	
f.	Gully erosion	☐	☒	No gully erosion was identified in the production area or associated water conveyances.	
g.	Livestock travel lanes	☐	☒	Not Applicable.	
h.	Nutrient discharge	☐	☒	There are no observable nutrient discharges occurring from the production area.	
i.	Objectionable odors	☐	☒	Normal poultry or livestock odors associated with this the type of operation or facility were noted.	
j.	Particulate matter emissions	☐	☒	Normal particulate emissions associated with a facility of this size.	
k.	Ponding, flooding, seasonal high water table	☐	☒	No abnormal ponding, flooding or high water table issues were identified.	
l.	Sediment	☐	☒	No obvious and observable sediment discharges are occurring from the production area.	
m.	Streambank/shoreline erosion	☐	☒	No streambank or shoreline areas are present in the production area.	
n.	Threatened/endangered species	☐	☒	No geospatial indicators have been identified on the production area.	
o.	Waste storage	☐	☒	There are no resource concerns identified for waste storage. Existing waste storage facilities are adequately sized for the operation and are consistent with the waste management system plan.	
p.	Waterways	☐	☒	No Maryland regulated waterways have been identified on the property.	
q.	Wetlands	☐	☒	Maryland regulated wetlands have been identified on the property greater than 100 feet from the production facilities. This is an existing facility with all required BMPs. No further action is required.)	

Implementation Schedule for Farmstead

This element addresses the need for and implementation of appropriate conservation practices to meet the quality criteria for soil erosion, air and water quality.

Note: The table below is your Conservation Practice and Facility Implementation Schedule. The practices listed in this schedule **must** be implemented according to the dates indicated. If these practices are not implemented according to schedule, please contact Stephanie Knutsen.

Practice and Facility Implementation Schedule

Identify Resource Concern	Practice Name (NRCS Code)	Description of Practice	Date to be Implemented
No HUA's on front of houses make manure clean-up difficult.	Heavy Use Area Protection (561)	The stabilization of areas frequently and intensively used by people, animals or vehicles by establishing vegetative cover, by surfacing with suitable materials, and/or by installing needed structures.	9/1/2027
The composter had missing and broken boards and was not being used at the time of the site visit. Birds were being composted in the PWSS and were partially uncovered.		Repair the existing PWSS and begin using it while implementing the techniques in the O&M of the CNMP.	8/1/2026
Lots of undesirable (some woody) vegetation growing along buildings in HQ area.		Remove excessive vegetation in the vicinity of the structures.	9/30/2026
Some broken boards on back push wall of the 40 X 84 PWSS and a few at base along the side.		Repair broken boards when manure is removed next.	6/1/2027

The schedule of conservation practices presented here has been reviewed by Haroonali Chaudhry, who is responsible for compliance with the requirements of the agricultural farm operation.

I, Haroonali Chaudhry, certify that as the decision-maker, I have been involved in the planning process and agree that the items/practices listed in the table above are needed on my farm operation. I understand that I am responsible for implementing these practices according to the scheduled above. Should I not be able to implement any of the above items according to the schedule, I will contact the Caroline Soil Conservation District and have this schedule revised.

Haroonali Chaudhry

05/29/2026

Date

Implementation Schedule Comments

Although the smaller 40 X 76 PWSS is not required given the 40 x 84 is adequate for the operation, it is recommended that the majority of items stored in it be mobile items or items that could be easily removed in the event of an emergency (ie- mass mortality where the smaller shed could be used).

Operation and Maintenance for BMP's in Farmstead

This section addresses the operation and maintenance for the structural, non-structural, and land treatment measures for your farm. These documented measures require effort and expenditures throughout the life of the practice to maintain safe conditions and assure proper functioning. Operation includes the administration, management, and performance of non-maintenance actions needed to keep a completed practice safe and functioning as planned. Maintenance includes work to prevent deterioration of practices, repairing damage, or replacement of the practice if one or more components fail.

Animal Mortality Facility (316)

- Facilities for normal mortality will be operated or used on a regular basis. At each operation or use, inspect the facility to note any maintenance needs or indicators of operation problems, and promptly make repairs or adjustments to operation of the facility.
- Follow the management plan requirements for:
- The mix proportions, moisture requirements, and materials used.
- The sizing requirements.
- The timing of the disposal/utilization process including loading, unloading, and turning or aeration of the material.
- Temperature monitoring requirements, including a temperature log.
- What must be done to prevent scavenging animals and leachate problems.
- Bio-security requirements.
- If catastrophic mortality occurs, contact NRCS or the Soil Conservation District for assistance concerning proper disposal of the mortality.

Waste Storage Facility (313)

- Check backfill areas around the structure (concrete, steel, timber, etc.) frequently for excessive settlement. Determine if the settlement is caused by backfill consolidation, piping, or failure of the structure walls or floor. Necessary repairs must be made.
- Check walls and floors often - minimum of 2 times a year when facility is empty - for cracks and/or separations. Make needed repairs immediately.
- Outlets of foundations and sub-drains should be checked frequently and kept open. The outflow from these drains should be checked when the facility is being used to determine if there is leakage from the storage structure into these drains. Leakage may be detected by the color and smell of the out-flowing liquid, by lush dark-green growth of vegetation around the outlet, by the growth of algae in the surface ditch, or by the vegetation being killed by the out-flowing liquid. If leakage is detected, repairs should be planned and made to prevent the possible contamination of groundwater. To prevent erosion, a good vegetative cover should be established and maintained on berms and embankments. Plantings should be clipped 3 times a year to kill noxious weeds and encourage vigorous growth. If the vegetation is damaged, berms and embankments will need to be re-vegetated as soon as possible.
- Fences should be inspected and maintained in order to exclude livestock from the berms and embankments and to exclude unauthorized entry by people.
- Check the channels and berms of the clean water diversions around the barnyard, buildings and storage structure frequently. Channels must be protected from erosion and berms must be maintained at the proper height to ensure adequate capacity. These channels and berms should not be used as haul roads unless they are designed and constructed for this purpose.
- Check frequently for burrowing animals around buildings, structures, and in the berms and embankments. Remove them when they are found and repair any damage.
- Inspect haul roads and approaches to and from the storage facility frequently to determine the need for stone, gravel or other stabilizing material.
- Do not allow runoff from loading areas and from spills to flow into streams or road ditches.
- Examine and repair all warning and hazard signs as needed.
- Install and maintain a marking gauge post that clearly shows the design levels of one-half and full for manure storage pits, ponds, and lagoons.
- Clear blockages from roof gutters and outlets as needed.
- Notify the Soil Conservation District of any major problems or repairs needed.
- The roof must be maintained to operate as intended for the life of the practice (15 years). The function of the roof is critical because the manure storage facility is sized accordingly.

Heavy Use Area Protection (561)

- Inspect the Heavy Use Area at least twice a year and after severe storm events.
- Scrape the surface as needed to remove excess manure and/or sediment.
- Repair paved areas by repairing holes and replacement of paving materials.
- Replace loose surfacing material such as gravel, cinders, sawdust, tanbark, etc. as needed when removed by livestock, equipment traffic, or scraping.
- Repair any deteriorating areas.

- Maintain all vegetation that is part of the plan by fertilizing and liming according to soil test recommendations and reseeding or replanting as necessary.
- Inspect inlets and outlets of pipes and culverts and remove any obstructions present.
- Maintain flow into filter areas by removing accumulated solids, reconstructing waterbars, etc.

SECTION 3: Land Treatment Area (Crop and/or Pasture)

This element addresses evaluation and implementation of appropriate conservation practices on sites proposed for land application of manure and organic by-products from an Animal Feeding Operation. On fields where manure and organic by-products are applied as beneficial nutrients, it is essential that runoff and soil erosion be minimized to allow for plant uptake of these nutrients.

This CNMP is considered a "No Land" plan, therefore no additional documents have been included in this section.

SECTION 4: Nutrient Management

This element addresses the Nutrient Management component of the CNMP. The nutrient management plan is developed by a Maryland Department of Agriculture certified nutrient management consultant.

Soil Sampling and Testing

Maryland Department of Agriculture regulations require up-to-date soil analyses be included in the Nutrient Management Plan. To fulfill this requirement you must follow these guidelines:

1. Soil test(s) are required to be taken every 3 years or sooner for each management unit;
2. It is recommended that soil sampling be conducted consistently at the same time of the year;
3. Soil sampling depth for P and K shall be 8 inches;
4. pH testing sampling depth for no-till is only 4 inches.

Soil testing shall include analysis for any nutrients for which specific information is needed to develop the plan. The minimum analysis for Maryland is to include: pH, organic matter, phosphorus, potassium, calcium, magnesium, and CEC.

Manure and Wastewater Testing/Analysis

Maryland Department of the Environment and the Environmental Protection Agency require an analysis of manure generated on your operation be obtained to meet conditions in a General Discharge Permit for Animal Feeding Operations under CAFO regulations. If you land-apply manure, it is a required component of your NMP according to MDA regulations. To fulfill this requirement you may do one of the following:

1. Collect a sample of manure and obtain an analysis OR
2. If exported, obtain a copy of the manure analysis from one of the farmers who will be receiving the manure from your operation

Manure should be analyzed on an annual basis from each storage structure for: % Solids or % Moisture, Total N, Organic N, NH_4 or NH_3, P_2O_5, K_2O, and pH. These analyses are part of the required Record Keeping and are stored under the Record Keeping element of this CNMP.

Description of Chemical Handling:

1. All chemicals are custom applied and no chemicals are stored at the operation.

NO LAND NUTRIENT MANAGEMENT PLAN
For General Discharge Permit Coverage

Langrial Farm

Haroonali Chaudhry

5230 Farm Lane

Greenwood, Delaware 19950

[redacted]

PREPARED BY
CAROLINE SOIL CONSERVATION DISTRICT
9194 Legion Road • Denton, MD 21629 • 410-479-1202 x3

Plan Date: 5/29/2026

DESCRIPTION OF OPERATION

This 4-house poultry operation is now being renovated and brought back into production after having been without birds for many years. The surrounding fields that were in cropland years ago are now growing up in woody vegetation with no current tillable ground on the parcel. All manure is exported. This is a no-land CNMP and contains a no-land NMP. Total parcel acreage is 35.75 acres with approximately 7.5 ac in the poultry headquarters, a 1.5 ac residential area, approximately 16.5 acres growing up in woody vegetation, and the remainder in mature forest.

This operation is seeking coverage under the General Discharge (GD) Permit for a Concentrated Animal Feeding Operation (CAFO) National Pollutant Discharge Elimination System (NPDES) No. MDG01 and State Discharge Permit No. 19AF for CAFOs or State Discharge Permit 19AF for Maryland Animal Feeding Operations (MAFOs).

The nutrient management plan developed for this AFO is one of the required plans that must be submitted to the Maryland Department of the Environment (MDE) by the permit applicant as part of MDE's application review process in accordance with Code of Maryland Regulations (COMAR) 26.08.04.09N, 40 Code of Federal Regulations (CFR) 122.42(e), and the conditions of the GD Permit.

PLAN DURATION: 5/29/2026 - 5/28/2031

It is the sole responsibility of the permittee to have the plan updated before its five(5) year expiration date. If this NMP is being developed for a new farm operation, a separate copy of this NMP will need to be submitted to the Maryland Department of Agriculture (MDA) to comply with Maryland's Nutrient Management Regulations under COMAR 15.20.07 and 15.20.08.

It is the sole responsibility of the permittee to obtain an immediate update to this nutrient management plan if there are any changes in the number of animals on site by 10% or more, or if the manure management changes. It is the permittee's responsibility to submit a copy of this nutrient management plan to MDE whenever there is an update or change in the plan. The permittee shall also maintain a copy of this nutrient management plan in their records to be made available upon request by MDA or MDE.

MANURE SAMPLING AND TESTING

MDE requires that the permittee shall supply the recipient of the animal waste with the most recent annual nutrient analysis of the manure and litter with samples taken within 12 months of the date of the transfer. If the recipient takes samples of the manure and litter, the permittee shall obtain a copy of the laboratory manure and litter analysis and maintain it as part of the permittee's records.

A copy of the manure laboratory analysis must be submitted with each year's Annual Implementation Report (AIR) to MDE.

MANURE MANAGEMENT & STORAGE

Production will start on fresh litter. Total cleanouts are projected to take place once every 4 years with partial cleanouts (33% of center litter removed) after 2 years. The first year on new litter, the operator intends to windrow. Thereafter, he plans to windrow one flock per year and crust the rest.

Poultry litter and manure which is removed from the poultry houses should be placed in the waste storage structure designed specifically for this operation. Manure and litter that is collected and removed from the poultry houses is stored in the waste storage facility until it is exported by a broker to a receiving farm. If an issue should arise with manure storage and management, the permittee should contact the Caroline Soil Conservation District (SCD) or the MDE AFO program office for assistance.

Manure/litter is transferred/exported from this operation to the following:

Clay MacLong

Milford, Delaware 19963

BEST MANAGEMENT PRACTICES

If there are resource concerns present on this operation, the permittee should contact the Caroline Soil Conservation District located in Denton Maryland for assistance. A Comprehensive Nutrient Management Plan (CNMP) may be developed or updated to include Best Management Practices (BMPs) that follow a Natural Resources Conservation Service (NRCS) Practice Standard to address concerns such as manure and mortality management, as well as drainage issues if they should arise.

RECORD KEEPING REQUIREMENTS

MDA requires that AFO producers maintain records on manure management, animal numbers, and manure quantity. The operator is required to maintain records indicating the date, quantity and destination of litter as it is removed from the poultry houses and transported to the waste storage facility or moved off the farm. The same information is required if stored manure is transported out of the waste storage facility to other locations off the farm.

MDE requires that AFO permittees must keep records and information resulting from the monitoring, recordkeeping, reporting activities, analyses performed, calibration and maintenance of instrumentation, original recordings from continuous monitoring instrumentation, and records from the development and implementation of any CNMP or NMP and be retained for a minimum of five (5) years.

Records and information kept for the generation and management of manure and litter includes the quantity removed from the poultry houses, the date and the destination, which considers its placement in the waste storage facility, or if it is stored manure and litter being removed from the farm's waste storage facility and transferred/exported to a receiving farm site or receiver. To assist in the collection of certain records and information required by the GD Permit, the following copies of MDE's record sheets have been included with the NMP:

- Waste Storage and Containment Structure Inspection Log Sheet (MDE form)
- Manure, Litter, and Wastewater Storage Structures Documentation (MDE form)
- Manure, Litter, and Wastewater Transfer Record Keeping Form (MDE form)
- Poultry Litter Removal Data Collection Sheet (MDA form)

The GD Permit also requires the sampling of manure, litter, and process wastewater for analysis annually, records of mortality disposal, and any additional self-inspection and recordkeeping activities as necessary.

Each registered CAFO and MAFO is required to submit to MDA by March 1 annually their AIR which

includes a summary of State CAFO and MAFO and federal NPDES CAFO data collected from the previous calendar year. The data used to report to MDE annually is required to be sourced from the collected records and information kept by the permittee the previous calendar year.

Farm Identification Summary

Farm Name	Tax Account ID Numbers	Watershed Location Code	Total Acres Farmed
Langrial Farm	[redacted]	02-13-03-06-0614	0

Manure Summary Table

Animal Type and Number	Total Manure Generation (tons/yr.)*	Manure Available for Export (tons/yr.)*	Manure Storage Capacity
72,000 Roaster/flock @ 4.5/yr. = 324000 birds/yr.	600	2027 = 0 2028 = 414 2029 = 42 2030 = 1913	40 X 76 Roofed Waste Storage w/ 17500 cubic feet of capacity 40 X 84 Roofed Waste Storage w/ 19,500 cubic feet of capacity

Stephanie Knutsen

5/28/2026

Stephanie Knutsen
Certified Nutrient Management Consultant
MDA Certification #1398
Caroline SCD License #4242

Date

Poultry Litter Quantity Estimate

Name: Langrial Farm | Tract / Farm: 13124 / 2108 | Date: 5/28/2026

Houses Included: 4 | Bird Type: Roaster

Average Bird Market Weight (lbs): 9.5

A.	Years between total cleanouts:	Yr. next total cleanout:	2030
		Yr. last total cleanout:	2026
		= Years in cleanout cycle:	4
B.	Total # of birds per flock (for all houses on this cleanout cycle):		72,000
C.	Flocks per year		4.5
D.	Number of flocks per cleanout cycle (A x C):		18
E.	Estimated tons of cake/crust per 1000 birds per flock: *		0.2
F.	Estimated tons of litter + cake/crust per 1000 birds per flock: *		1.85145
G.	Tons cake/crust produced per flock (B x E/1000):		14
H.	Tons cake/crust produced per cycle (G x D):		259
I.	Tons litter + cake/crust produced per cycle (B x D x F/1000):		2,399
J.	Tons of litter produced per cycle (less cakeout/crustout) (I-H):		2,140
K.	Tons of litter produced per year (less cakeout/crustout) (J/A):		535
L.	Tons of litter + cake/crust produced per year (I/A):		600

* 2007 Delmarva Poultry Litter Production Estimates, George W. Malone, University of Delaware, Georgetown Delaware.

Quantity of Poultry Litter, Cake/Crust Available per Year

	M	N	O	P	Q	R	S	T
Year	Tons of litter remaining in the house from last year (N-P) + (R-S) (previous year)	Total tons of litter present in the house this year (K) + (M, this year)	% of partial or total litter to be removed this year in excess of cakeout/crustout (enter % of N removed)	Tons of litter removed this year (N x O)/100	Flocks this year	*** Tons Cake/Crust Produced this Year0 (Q x G)	Tons Cake/Crust removed this Year	Tons litter + cake/crust removed this year (P + S)
2027	0	535	0	0	4	58	0	0
2028	593	1128	33	372	5	72	42	414
2029	786	1321	0	0	4	58	42	42
2030	1336	1871	100	1871	5	72	42	1913
			Total	**2243**	**18**	**260**	**126**	**2369**

*** Cake/Crust not removed due to windrowing, is added with the litter remaining in the house the following year. Windrowing may likely result in actual quantities of litter being less than the estimates shown here. The actual amount of Cake/Crust removed may also be less than the estimated amounts produced due to improved drinker systems, ventilation, etc.

SECTION 5: Additional Documentation

This section is included if there are additional documents needed for the Comprehensive Nutrient Management Plan.

The following documents are located in this section:

- Weekly Storage Form
- Weekly Wastewater Form
- Manure Litter Storage Form
- Manure Litter Transfer Form
- Daily Waterline Form

MDE SELF INSPECTION AND RECORDKEEPING REQUIREMENTS FOR LAND & NO-LAND OPERATIONS

Type	Maintain Records of:	Frequency	Applicable to Liquid/Dry Manure Handling or Both
Land & No-Land	Any transfers of manure, litter, and process wastewater, will include the following information: 1.) Name and address of recipient and 2.) Date and quantity transferred. The permittee shall supply the recipient of the animal waste with the most recent annual nutrient analysis of the manure, litter, or process wastewater. If the recipient performs the analysis, the permittee shall obtain a copy and maintain it as part of the permittee's records.	Each occurrence	Both
Land	Each application event where manure, litter, or process wastewater is applied. Including 1.) Fields where animal waste is distributed, using field names consistent with those in the required plan, 2.) Application method, rate, time and date, 3.) Soil conditions, including instances of ponding or runoff, saturated soil, and frozen ground or snow covered ground and 4.) Weather conditions, including precipitation and temperature at the time of application and precipitation 24 hours prior to, and following, application.	Each land application event	Both
No-Land	Manure samples shall include the following information, 1.) Date sample taken, 2.) Test methods used to sample and analyze manure, litter, and process wastewater; and 3.) Results from manure, litter, and process wastewater sampling.	Annually	Both
Land & No-Land	Mortality disposal including date, numbers of animals, and method of disposal	As necessary	Both
Land & No-Land	Inspections conducted, including date, of the animal waste storage areas	Weekly	Both
Land	The results of manure samples and soil samples, including the following information, 1.) Date sample taken, 2.) Test methods used to sample and analyze manure, litter, process wastewater, and soil, 3.) Results from manure, litter, process wastewater, and soil sampling and 4.) Total amount of nitrogen and phosphorus actually applied to each field, including documentation of calculations for the total amount applied.	Annually for manure samples, at least once every three years for soil samples	Both
Land	Manure application equipment inspections, including the following information, 1.) Date inspection conducted and 2.) Calibration date; and iii. Maintenance of equipment used for manure application.	At least annually	Both
Land & No-Land	Inspections, including date, of the storm water routing structures	Weekly	Both
Land & No-Land	Inspections, including date, for all indoor and outdoor water lines, including drinking or cooling water lines	Daily	Both
Land & No-Land	The depth of manure and process wastewater, including date of reading, as indicated by the depth marker in all liquid animal waste impoundments	Weekly	Liquid
Land & No-Land	Inspections, including date, of all wastewater operations and pumps	Weekly	Liquid
Land & No-Land	All manure, litter, and wastewater storage structures including the following information, 1.) Date inspection conducted, 2.) Volume for solids accumulation, 3.) Design treatment volume, 4.) Total design storage volume, 5.) Days of storage capacity and 6.) Structural stability inspection of all earthen embankment structures.	As necessary	Liquid
Land & No-Land	Any additional self – inspection and recordkeeping activities required by this General Permit	As necessary	Both

Self-Inspection and Recordkeeping for CAFOs/MAFOs that DO NOT Land Apply (No-Land Operations):
The permittee that transports all and/or some of its manure, litter, or process wastewater to an area that is not under the control of the owner or operator of the no-land operation shall maintain no-land operation records on-site for five years. The records shall be available for inspection by the Maryland Department of the Environment personnel upon request. The record shall also include a notation of periods when the facility is not in operation (out of production).

Maryland
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

Weekly Storage and Containment Structure Inspections Log Sheet

Facility Name: _____ NPDES Permit No.: _____

Instructions:
Use this form to keep records of weekly visual inspections of the structures you use to store or contain manure/litter/process wastewater. Use a separate form for each structure.

**Any deficiencies observed must be corrected within 30 days*

Storage or Containment Structure: _____

	Date	**Initials**	**Depth Marker Reading** (N/A for dry manure handling)	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 1						
Week 2						
Week 3						
Week 4						
Week 5						
Week 6						
Week 7						

	Date	**Initials**	**Depth Marker Reading** (N/A for dry manure handling)	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 8						
Week 9						
Week 10						
Week 11						
Week 12						
Week 13						
Week 14						
Week 15						
Week 16						
Week 17						
Week 18						
Week 19						

	Date	**Initials**	**Depth Marker Reading** (N/A for dry manure handling)	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 20						
Week 21						
Week 22						
Week 23						
Week 24						
Week 25						
Week 26						
Week 27						
Week 28						
Week 29						
Week 30						
Week 31						

	Date	**Initials**	**Depth Marker Reading** (N/A for dry manure handling)	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 32						
Week 33						
Week 34						
Week 35						
Week 36						
Week 37						
Week 38						
Week 39						
Week 40						
Week 41						
Week 42						
Week 43						

	Date	**Initials**	**Depth Marker Reading** (N/A for dry manure handling)	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 44						
Week 45						
Week 46						
Week 47						
Week 47						
Week 49						
Week 50						
Week 51						
Week 52						

Weekly Wastewater Facilities Inspections Log Sheet

Facility Name: _____ NPDES Permit No.: _____

Instructions:
Use this form to keep records of weekly visual inspections of your wastewater facilities (including pumps, storm water and runoff diversion devices, and devices used to channel contaminated storm water to a wastewater storage or containment structure).

**Any deficiencies observed must be corrected within 30 days*

List the items that need to be inspected below:

_____ _____
_____ _____
_____ _____
_____ _____

	Date	**Initials**	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 1					
Week 2					
Week 3					
Week 4					
Week 5					
Week 6					

	Date	**Initials**	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 7					
Week 8					
Week 9					
Week 10					
Week 11					
Week 12					
Week 13					
Week 14					
Week 15					
Week 16					
Week 17					
Week 18					
Week 19					
Week 20					

	Date	**Initials**	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 21					
Week 22					
Week 23					
Week 24					
Week 25					
Week 26					
Week 27					
Week 28					
Week 29					
Week 30					
Week 31					
Week 32					
Week 33					
Week 34					

	Date	**Initials**	**OK** (√ if no problems)	**Description of any Deficiencies Observed** (put "N/A" if none observed)	**Date Deficiency Corrected***
Week 35					
Week 36					
Week 37					
Week 38					
Week 39					
Week 40					
Week 41					
Week 42					
Week 43					
Week 44					
Week 45					
Week 46					
Week 47					
Week 48					

	Date	Initials	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Week 49					
Week 50					
Week 51					
Week 52					

Manure, Litter, and Wastewater Storage Structures Documentation

Facility Name: _____ NPDES Permit No.: _____

Instructions:
For each storage structure, provide the following information in the table below:

- Structure Type: the type of storage structure (e.g. roofed storage shed, storage pond, anaerobic lagoon…)
- Total Design Storage Volume: the total capacity the storage structure was designed to hold (e.g. 100 ft^3 or 1000 gallons)
- Design Treatment Volume: (***N/A for dry manure storage)** the treatment capacity the structure was designed to treat
- Days of Storage Capacity: (***N/A for dry manure storage)** the number of days the structure can accommodate its contents at the rate the operation places waste in it
- Volume for Solids Accumulation: the capacity of the structure available to accumulate solids

Structure Type	**Total Design Storage Volume**	**Design Treatment Volume** (N/A for dry manure storage)	**Days of Storage Capacity** (N/A for dry manure storage)	**Volume for Solids Accumulation**
Roofed Waste Storage	40 X 76		17500	
Roofed Waste Storage	40 X 84		19,500	

Manure, Litter, and Wastewater Transfer Record Keeping Form

Facility Name: _____ NPDES Permit No.: _____

Use this sheet any time that manure or poultry litter is removed from a production or storage area and transferred to other persons (not under the control of your CAFO). Use additional sheets as necessary.

Date of Transfer (indicate whether import or export)	**Manure Type** (e.g. litter, wastewater)	**Name and Address of Person(s) Received From or Transferred To**	**Quantity Transported** (tons/gallons)

Daily Water Line Inspection Log Sheet

Facility Name: _____ NPDES Permit No.:_____

Instructions:

- Initial the form *each day* after the inspection is complete
- If a leak is detected, place a check in the "leak detected" column

January, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
February, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		

March, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		

7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

April, 20____		
Day	Initials	√ if Leak Detected

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		

29		
30		

May, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		

25		
26		
27		
28		
29		
30		
31		

June, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

July, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

August, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

September, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		

6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

October, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

November, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

December, 20____		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		

18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

CONSERVATION PLAN MAP

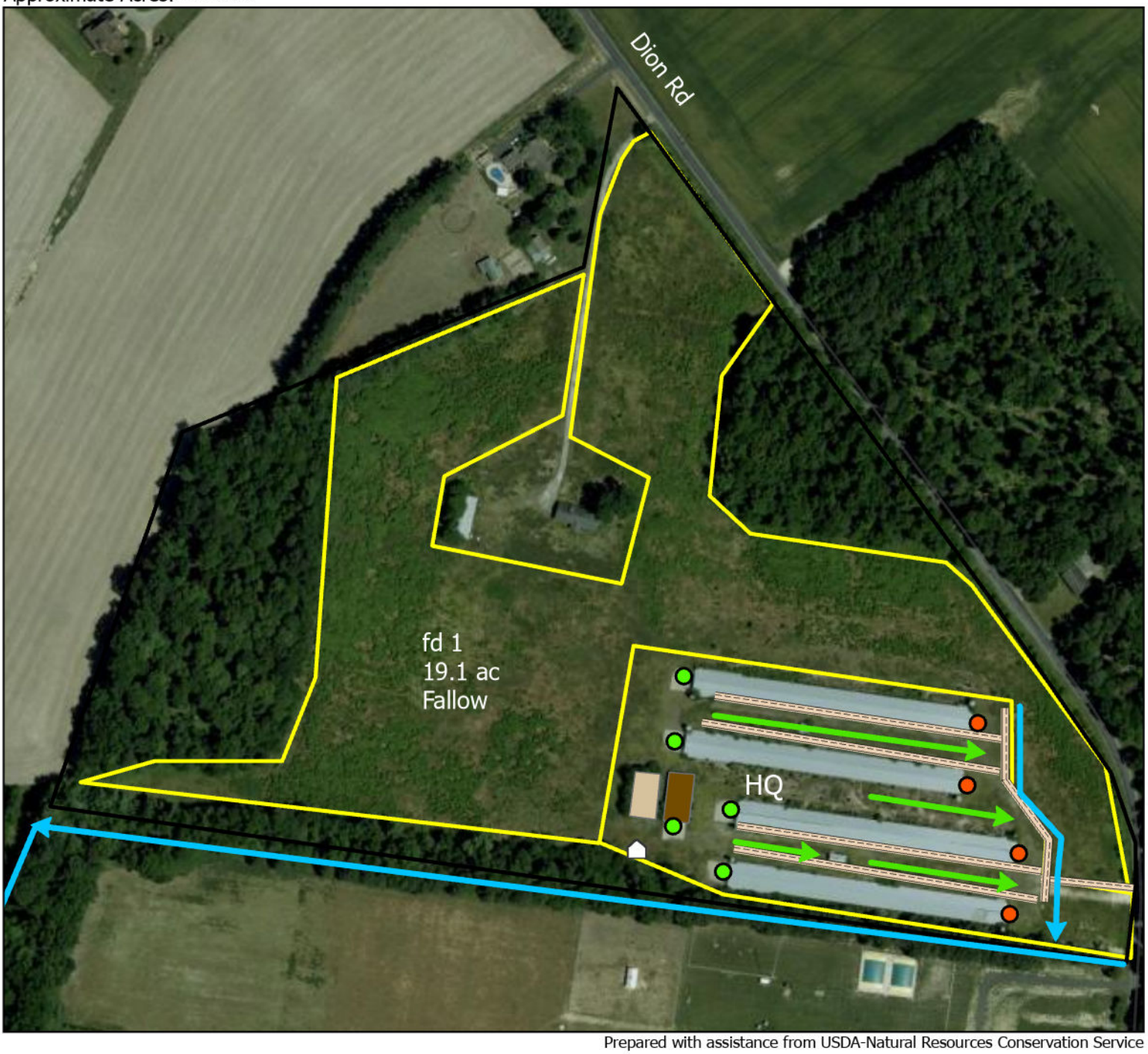
Date: 5/28/2026

Client(s): Esha Farms LLC c/o Haroonali Chaudhry

OPID: MHRD_17
F2108 T 13124
Approximate Acres: 35.75 ac

Assisted by: Stephanie Knutsen

Caroline Soil Conservation District



Prepared with assistance from USDA-Natural Resources Conservation Service

USDA

- Approximate Property Boundaries
- Field Boundaries
- Channel Composter 2010-1895
- HUA - proposed
- HUAs 40 X 40 803B1911002/ 2013-1766
- Grassed Swale
- Surface drainage
- Farm Lane
- PWSS 40 X 76 1994-1076
- PWSS 40 X 84 1992-0451

Instructions for Completing the New Plan Reporting Form

Certified consultants may help operators complete the form; however, the form **must** be signed by the operator.

Part A: Farmer/Operator Information

Information applies only to the person, and/or business that operates or makes primary decisions in the use and application of nutrients for the agricultural operation.

Part B: Farm Information

Total Farmed Acres and Pasture Managed Under Plan: Indicate the total acreage managed under the submitted plan.

Operation Type(s): Identify the type of operation under the plan. (Check all that apply.)

Nutrient Sources: Identify the applicable nutrient source(s) used on the operation. (Check all that apply.)

Animal Type and Number: Identify the applicable type and number of animals on the operation. For poultry, indicate the number in thousands of birds per year. Example: 30,000 birds/flock x 5 flocks per year = 150,000 birds per year = 150 on form.

Total Manure Generated/Year: Indicate the total amount of manure generated by the operation in tons or gallons.

Manure Storage: Check Yes if there is manure storage for the operation. Check No if you have no storage.

Manure Exported: Check Yes if you exported manure or other organic nutrients from your operation in the last year.

Manure/Organics Imported: Check Yes if you imported manure or other organic nutrients to your operation in the last year.

Account ID(s): This is the unique 10 to 16 digit number used by the Maryland Department of Assessments and Taxation (MDAT) to identify a unit of land. These numbers are located on your tax bill(s). Account IDs can also be obtained via MDAT's website at: http://sdatcert3.resiusa.org/rp_rewrite/

Include ALL Account IDs under this plan. Use additional pages or Page 2 of this form to record more than eight IDs. Do not include tract or field numbers.

Part C: Plan Information

Plan Start and End Dates: Indicate the starting and ending dates of your plan.

Parts of Plan Submitted: Check all items required for your plan. These items will be attached to this completed form and submitted to the proper MDA Regional Office.

Operation Acres Breakdown: Please indicate how many acres of crops, hay, pasture, agricultural products, or horticultural products comprise the acres covered under this plan.

Part D. Consultant Information

Operator Certified: Check this box if the nutrient management plan was developed by the person identified in Part A or a person with a financial interest in the farm/operation.

Consultant's First and Last Name: Write the full name of the consultant who developed your plan.

Certificate # and License #: Enter the Consultant's Certificate number and License number. These numbers were issued to the Consultant by the Maryland Department of Agriculture and found under their signature on your plan.

Part E. Farmer/Operator Signature

The person named in Part A of this form should sign it and date it here.

MDA Regional Nutrient Management Offices

Send this form and your plan to the Nutrient Management office listed for your county. If the operation straddles more than one county, please submit to the office where the majority of the operation is located.

Region 1: Allegany, Garrett, and Washington
Ashby Ruddle, 410-353-4320
P.O. Box 459
Hancock, MD 21750

Region 2a: Carroll and Frederick
Moana Himes, 410-353-4320

Region 2b: Anne Arundel, Howard, and Montgomery
Kenny Favorite, 410-507-4811
92 Thomas Johnson Drive, Suite 110
Frederick, MD 21702

Region 3: Calvert, Charles, Prince Georges, and St. Marys
Weylin Anderson, 410-980-9479
P.O. Box 652
Leonardtown, MD 20650

Region 4a: Baltimore and Harford
Emilee Smith, 443-223-0403
P.O. Box 850
Bel Air, MD 21014

Region 4b: Cecil and Kent
Craig McSparran, 410-991-3114
50 Harry S Truman Parkway
Annapolis, MD 21401

Region 5a: Caroline, Queen Anne's and Talbot
Howard Callahan, 410-279-4003
P.O. Box 549
Cordova, MD 21625

Region 5b: Dorchester, Somerset, Wicomico, and Worcester
Steve Szelestei, 410-353-5660
P.O. Box 340
Marydel, MD 21649

Region 6: CAFO - Statewide
Robin Culver, 410-507-4949
27722 Nanticoke Road, Unit 2
Salisbury, MD 21801

Maryland Department of Agriculture / Nutrient Management Program

NEW PLAN REPORTING FORM

For MDA Use Only
Producer ID _____
Date received _____

Part A: Farmer/Operator Information ☐ Owner/Operator ☑ Operator

Last Name: Chowdhry First name: Haroonali SSN: 218-81-5469

Farm/Business Name: Langrail Farm Federal Tax ID _____

Street Address: 5230 Farmlan ~~Rd~~ (mailing) Telephone: 443-477-9271

City, State, Zip: Greenwood, DE 19950 premise: 6718 Dion Rd.

County: Cardine E-Mail Address: _____ Federalsburg, MD 21632

Part B: Farm/Operation Information

Total Farmed Acres and Pasture Managed Under Plan: 0

Operation Type: ☐ Crop production ☐ Organic ☐ Other _____
☐ Nursery/Greenhouse ☑ Animal ☐ No-land

All Nutrient Sources: ☐ Comm. Fertilizers ☐ Biosolids ☐ Animal Manure ☐ Other _____

Animal Type/No: ☐ Dairy ___ ☐ Beef ___ ☐ Horse ___ ☑ Poultry (in 1,000/year) 72 x 4.5 = 72,000 per flock x 45 flocks
☐ Swine ___ ☐ Sheep ___ ☐ Goat ___ ☐ Other _____

Total manure quantity generated/year: ☑ Tons 600 ☐ Gallons _____

Manure Storage? ☑ Yes ☐ No Manure Exported? ☑ Yes ☐ No Manure/Organics Imported? ☐ Yes ☑ No

Account IDs (use Page 2 for Additional IDs):

1. 01008001081
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Part C: Plan Information Plan Start Date: 5/28/26 Plan End Date: 5/28/2031

Parts of Plan Submitted: Map ☑ Yes ☐ No
Soil test ☐ Yes ☐ No ☑ N/A
Recommendations ☐ Yes ☐ No ☑ N/A

Operation Acres Breakdown:
☐ Crops 0 ☐ Hay 0
☐ Pasture 0 ☐ Other _____

Part D: Consultant Information ☐ Operator Certified

First and Last Name: Stephanie Knutsen Certificate # 1398 License # 4242

Part E. Farmer/Operator Signature The above information is true and accurate to the best of my knowledge. A valid nutrient management plan will be followed during the current and upcoming cropping year.

Signature: _____ Date: 05/29/2026

Maryland Department of Agriculture
Maryland Agricultural Cost-Share Program (MACS)

CURRENT NUTRIENT MANAGEMENT PLAN CERTIFICATION

Participants of MACS cost-share programs must certify that the agricultural operation associated with the cost-share practice(s) is following a *current* Nutrient Management Plan (NMP), to the extent required by COMAR 15.20.07. This form must be submitted to the local Soil Conservation District (SCD) office *when applying* to the MACS Program.

The SCD shall include a copy of this form with any MACS cost-share application. Applications received without this form, or with a form that is missing information, will be considered incomplete. Exception: This form may be submitted at the claim stage for Manure Transport and Manure Injection projects.

Section I. To be filled out by the Certified Nutrient Management Plan Preparer

Farm Operator Name(s)	Haroonali Chaudhry				
Farm Name (if applicable)	Langrial Farm				
Address	6718 Dion Rd (Number Street)				
	Federalsburg (City)	MD (State)	21632 (ZIP)	Caroline (County)	
Plan Preparer Name	Stephanie Knutsen				
Certification No.	1398	License No. (if applicable)			
Date the NMP was prepared or updated	5/29/2026	Total Acres Under Plan	0		
Period the plan covers: Begin Date	5/29/2026	End Date	5/28/2031		

I certify that the NMP information for the farm operation listed above is true and correct. I understand that if this information has been falsified, my certification and/or license may be revoked.

Signature [signature] (Certified NM Consultant or Certified Farm Operator) — Date: 5/28/2026

Section II. Farm Operator Certification

I certify that: (1) my farm is operating under a current nutrient management plan for the time period indicated above and, (2) my nutrient management plan was developed by the plan preparer named above.

Signature [signature] (Farm Operator) — Date: 5/28/2026

Print Name Haroonali Chaudhry

Section III. Landowner Information

(Fill out this section only if the landowner is applying for cost-share and is *not* the agricultural operator of the land)

Landowner Name	Esha Farm LLC				
Address	6718 Dion Rd (Number Street)				
	Federalsburg (City)	MD (State)	21632 (ZIP)	Caroline (County)	