

Application Type Renewal
Facility Type CAFO
Permit Type Individual

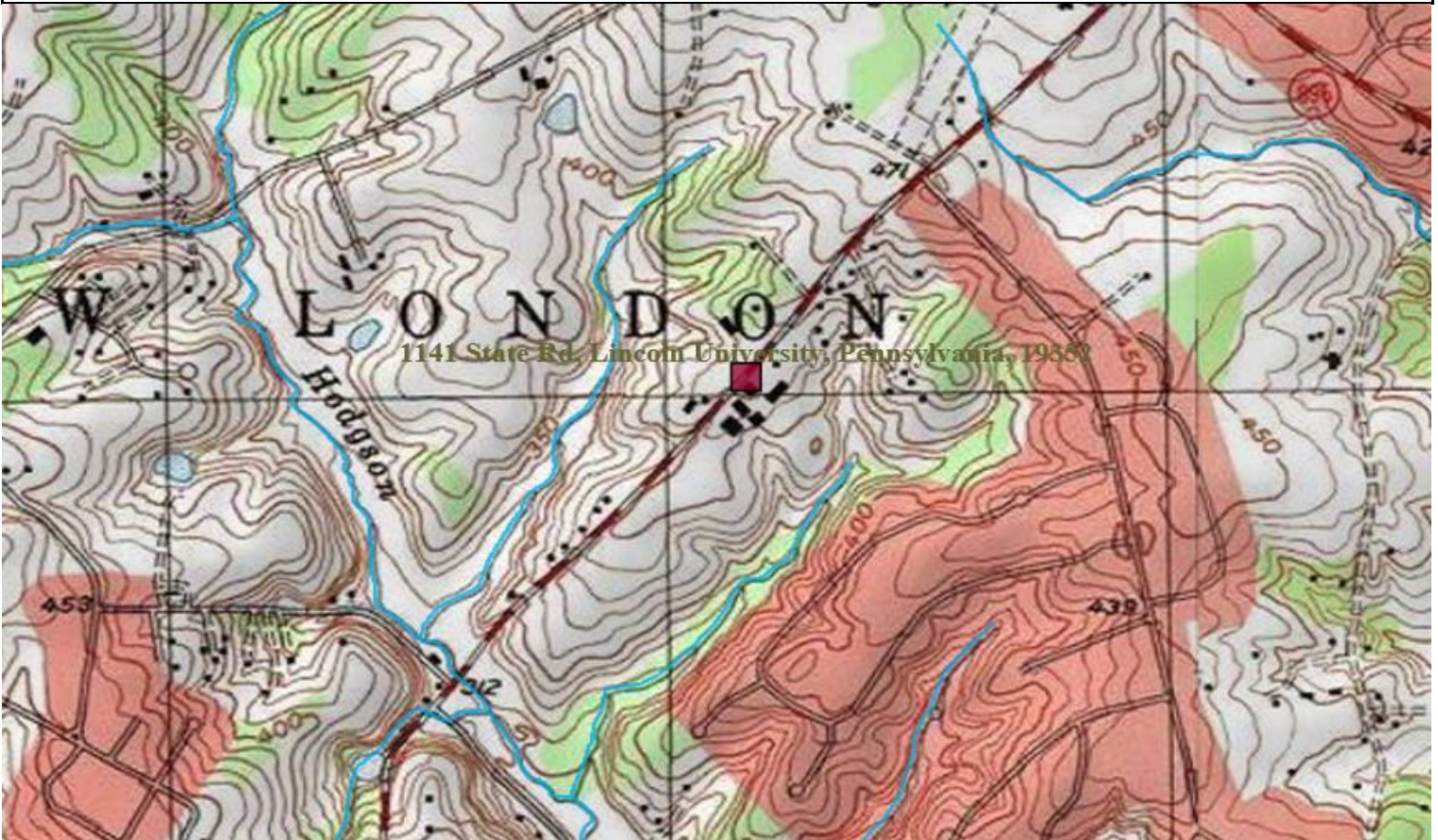
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PAI120502
APS ID 928759
Authorization ID 1282343

Applicant and Facility Information

Applicant Name	<u>Inguran LLC Db a St Genetics</u>	Farm Name	<u>St Genetics CAFO</u>
Applicant Address	<u>1141 State Road</u> <u>Lincoln University, PA 19352-1005</u>	Farm Address	<u>1141 State Road</u> <u>Lincoln University, PA 19352-1005</u>
Applicant Contact	<u>Juan Moreno</u>	Farm Contact	<u>James Albers</u>
Applicant Phone	<u></u>	Farm Phone	<u>(484) 371-8397</u>
Client ID	<u>332077</u>	Site ID	<u>674714</u>
SIC Code	<u>0241</u>	Municipality	<u>New London Township</u>
SIC Description	<u>Agriculture - Dairy Farms</u>	County	<u>Chester</u>
Date Application Received	<u>July 31, 2019</u>	WQM Required	<u>No</u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>

Project Description Application for renewal of an Individual CAFO permit for an existing dairy operation.



Approve	Deny	Signatures	Date
		Herman Jackson / Environmental Engineering Specialist	
		Scott M. Arwood, P.E. / Environmental Engineer Manager	

Description:

Inguran, LLC dba ST Genetics is a dairy operation in Chester County with satellite locations in Lancaster County. There are 1,020 mature Holstein and Jersey cows, 80 Holstein heifers, and 340 Holstein calves. The lists the total number of AEUs as 1,404.60 for an animal concentration of 16.60 AEUs/acre. The operation exceeds the 700 mature dairy cow threshold, the 1,000 cattle threshold and the 1,000 AEUs threshold all requiring a CAFO permit.

The closest receiving waters to the operation are Hodgson Run (HQ-CWF, MF) in Chester County and an unnamed tributary to Donegal Creek (TSF, MF) in Lancaster County. The closest streams to the manure importers are Little Elk Creek (HQ-TSF, MF), an unnamed tributary to Little Elk Creek (HQ-TSF, MF), Big Elk Creek (HQ-TSF, MF), Hodgson Run (HQ-TSF, MF), Leech Run (TSF, MF), unnamed tributaries to Donegal Creek (TSF, MF) and (CWF, MF), and Ways Run (HQ-CWF, MF). The special protection designations make an Individual permit appropriate.

Manure/Nutrient Management:

The NMP was approved on February 15, 2018. There are 84.6 acres available on lands owned or rented by the applicant for manure application according to the NMP.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Freestall Barn Deep Pit Liquid Dairy (Fall/Wint Appl)	3,800,000 gallons	0	3,800,000 gallons
Freestall Barn Deep Pit Liquid Dairy (Spring /Sum Appl)	3,800,000 gallons	0	3,800,000 gallons
Lagoon Liquid Dairy (Fall/Wint Appl)	1,200,000 gallons 364 tons	0 363.97 tons	1,200,000 gallons 0
Lagoon Liquid Dairy (Spring/Sum Appl)	1,200,000 gallons 364 tons	363.97 tons	1,200,000 gallons
Special Needs Deep Pit Liquid Dairy (Fall/Wint Appl)	800,000 gallons	0	800,000 gallons
Special Needs Deep Pit Liquid Dairy (Spring/Sum Appl)	800,000 gallons	594,400 gallons	205,600 gallons
Penpack	3,395 tons	4,110.6 tons	100 tons
Etown Penpack	1,614 tons	164.04 tons	1,450 tons

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Donald Poole Jr 125 Myrtle Avenue West Grove, PA 19390	3,139,000 gallons	0	3,400,000 gallons	900,000 gallons
A. Duane Hershey 1600 Althouse Road Cochranville, PA 19330	0	150 tons	0	0
Terra-Gro, Inc. 309 Mason Dixon Drive Peach Bottom, PA 17563	0	0	0	0
Lamar Harnish 491 Barnsley Road Oxford PA, 19363	1,900,000 gallons 600 tons	0	1,900,000 gallons 100 tons	900,000 gallons 600 tons

David Lytle 190 Church Road Lincoln University PA, 19352	100,000 gallons	0	100,000 gallons	0
Robert Shearer 806 Anderson Ferry Road Mt. Joy, PA 17522	163 tons	0	0	0
Leon Ray Zimmerman 2011 Maytown Road Elizabethtown, PA 17022	663 tons	0	663 tons	0
David Stoltzfus 1054 Maytown Road Elizabethtown, PA 17022	0	0	0	300 tons

Winter Manure Management:

Winter storage requirements should be met by December 15th. The Freestall Barn Pit will have 5’7” of freeboard allowing 1,582,433 gallons of winter storage. The Special Needs Barn Pit will have 2’7” of freeboard allowing 331,151 gallons of winter storage. The Earthen Lagoon will have an 8’3” freeboard providing 564,241 gallons. The Etown storage pads will have approximately 36% of the total storage providing 302 tons of winter storage.

No winter manure application is proposed in the NMP.

Manure Storage Facilities:

The Freestall Barn Deep Pit is a 112’ x 371’ x 8’ underbarn storage with a useable capacity of 2,331,000 gallons requiring a 6-inch freeboard. The Special Needs Barn Deep Pit is a 117’ x 182’ x 8’ underbarn storage with a useable capacity of 1,201,000 gallons requiring a 6-inch freeboard. The Deep Pit Crossover is a 12’ x 79’ x 8’ underbarn storage with a useable capacity of 53,000 gallons requiring a 6-inch freeboard. There is a 115’ x 150’ x 12’ earthen lagoon with a useable capacity of 804,000 gallons requiring a 2-foot freeboard. Penpack is collected at the Etown Farm East storage and West storage. The East storage is 40’ x 40’ x 7’ capable of holding 415 tons. The West storage is 40’ x 50’ x 5’ capable of holding 410 tons.

Animal Mortality:

Mortalities are composted at the main dairy on an improved stacking area.

Animal Concentration Areas (Chapter 102.4a):

NMP Appendix 7 identifies BMPs to keep cattle away from problem areas in ETPast1.

Chapter 102 E&S (Conservation Plans):

Ag E&S plans are provided for the manure importers.

Downstream Public Water Supplies:

There are no public water supplies between the facility and the Maryland border identified in eFACTS.

Compliance History:

There are no compliance issues identified by eFACTS.

Public Participation:

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period

(which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.