

Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	01-21-2026	
Media Program:	Water	
Regulatory Program(s)	NPDES CAFO	
Company Name:	Bouma Dairy Farm	
Facility Name:	Bouma Dairy Farm	
Facility Physical Location:	4252 COUNTRY ROAD 2408	
(city, state, zip code)	Winnsboro, TX 75494	
Mailing address:	19008 FM 3079	
(city, state, zip code)	Chandler, TX 75758	
County/Parish:	Hopkins	
Facility Phone Number	(903) 885-0226	
Facility Contact:	Jim Wyrick	Consultant
	wyrick@suddenlink.net	
FRS Number:		
Identification/Permit Number:	TX0148253	
Media Identifier Number:		
NAICS:	112120	
SIC:	0241	
Personnel participating in inspection:		
Jim Wyrick	Texas Environmental Services	Consultant
Lucas Bomar	EPA R6	Inspector (Lead)
Kamilah Hutchinson	EPA R6	Inspector
Mason Tidmore	EPA R6	Inspector
EPA Lead Inspector Signature/Date		Date
	Lucas Bomar	
Supervisor Signature/Date		Date
	Anthony Loston	

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspectors Lucas Bomar, Kamilah Hutchinson, and Mason Tidmore arrived at Bouma Dairy Farm at 8:53 AM on 01-21-2026 for an announced inspection. The facility is in a Dairy Outreach Program Area (DOPA). Inspectors met with the dairy consultant, Mr. Jim Wyrick, and owner, Mr. Maiko Hessel, at the Opening Conference. Inspectors presented their credentials to them and informed him that this was an EPA inspection to determine compliance with the facility's TCEQ CAFO Permit (TX0148253), and the Concentrated Animal Feeding Operations (CAFO) requirements as found in the Clean Water Act (CWA). The scope of the inspection was a full compliance evaluation and includes an evaluation of the facility's compliance with its NMP.

The sequence for the inspection was an introductory overview conducted during the opening conference, followed by a site review, and review of the NMP and records required per the permit. The inspectors wore boot covers. The consultant and owner of the facility joined the inspection.

FACILITY DESCRIPTION

The TCEQ CAFO permit (TX0148253) was issued to Bouma Dairy Farm on 01-07-2026, and it expires on 01-07-2031. The facility permits 999 total cows. At the time of the inspection, there were approximately 737 total cows. Cows are milked twice daily and housed in covered freestalls between milkings. Freestalls are cleaned via flushing recycled wastewater in between milking sessions. Clean water is used to flush the milking parlor. The facility borders Big Sandy Creek on the western side (Water Body Code 1016).

There is one concrete lined settling basin downgrade on the west side of the freestalls that leads to RCS 1 via gravity flow (Appendix 1, Photos 1-2). In addition, the facility is currently constructing an additional RCS named RCS 2. (Appendix 1, Photo 3). RCS 2 borders an unnamed creek that feeds Big Sandy Creek (Appendix 1, Photo 4). The facility has seven LMUs (Land Management Unit): 1 - 75 acres, 2 - 44 acres, 3 - 39 acres, 4 - 64 acres, 5 - 30 acres, 6 - 41 acres, 7 - 113 acres. The facility plants ryegrass and bermudagrass used for hay, silage, and grazing dry cows. Center pivots are used for clean water application and drag hose for wastewater and manure application. No manure or wastewater is transferred off-site.

All commodities are stored under cover.

All records were maintained by the consultant and were available for review at the time of the inspection.

Section II – OBSERVATIONS

Lagoon Management:

All the RCSs for the facility are designed to receive the production area wastewater runoff. RCS 1 capacity is 5.56 acre/ft certified on 01-06-2000. The liner and hydraulic conductivity were certified by James Winn, P.E. on 03-01-2007. RCS 1 met the required conductivity rating greater than 1×10^{-7} cm/sec. RCS 2 is currently being constructed. The measured capacity is 32.44 acre/ft and also met the required conductivity rating greater than 1×10^{-7} cm/sec certified by Noel Courts, P.G. on 01-03-2026. There were no signs of erosion in the embankments and cattle are unable to access the lagoons. All pole markers showed adequate freeboard and are below the 25-yr/24-hr rain event mark. The facility uses gravity flow and drainage channels to route all runoff to RCS.

Nutrient Management Plan Review:

The facility has a Nutrient Management Plan (NMP). The date of the NMP is 02-28-2025 and was prepared by Jim Wyrick. A review of the nutrient application data showed that the facility was keeping appropriate records for the amounts of nitrogen and phosphorus applied to the land application sites at the Bouma Dairy Farm for both the lagoon process wastewater and slurry. The facility also tracks the required annual soil, wastewater, and manure solids nutrient concentrations. LMU 1 was evaluated for agronomic rate applications for 2024, and the facility is land applying below the agronomic rate in line with the NMP.

Mortality Management Area:

Mortalities are buried on site west of the poultry barns (Appendix 1, Photo 6). There were no signs of exposed carcasses at the burial site or dead cows in the production area at the time of the inspection.

Land Management Units:

There were no visual signs of ponding or leaking in the LMUs at the time of the inspection.

Section III – AREAS OF CONCERN

The Bouma Dairy Farm is well operated and maintained, with good implementation of the best management practices contained within the permit and NMP.

No areas of concern were found at the time of the inspection. Inspectors exited the facility at 11:05 AM.

Section IV – FOLLOW UP

No follow-up has occurred since the time of the inspection.

Section V – LIST OF APPENDICES

Appendix 1: consists of six (6) photos taken 01-21-2026.

Appendix 2: consists of one aerial photograph sourced from Google Earth depicting facility and surrounding area.

Appendix 1

Photograph Log



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Photo No: 1

Facility/Location:		Bouma Dairy						
City:	Winnsboro	County:	Hopkins	State:	TX	Direction:	W	
Filename:	R0010710.JPG	Photo Date:		01/21/2026		Time:	09:34:17	
Photographer:	Luke Bomar			Witness Name:		Mason Tidmore, Kamilah Hutchinson		



Description:	View to the west. Settling basin downgrade of west end of the freestalls.		
Latitude:	32.980	Longitude:	-95.328



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Facility/Location:	Bouma Dairy						
City:	Winnsboro	County:	Hopkins	State:	TX	Direction:	E
Filename:	R0010711.JPG	Photo Date:	01/21/2026		Time:	09:18:02	
Photographer:	Luke Bomar			Witness Name:	Mason Tidmore, Kamilah Hutchinson		



Description:	View to the east. RCS#1 with settling basin and freestalls in background.		
Latitude:	32.979	Longitude:	-95.330



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Facility/Location:	Bouma Dairy						
City:	Winnsboro	County:	Hopkins	State:	TX	Direction:	NE
Filename:	R0010712.JPG	Photo Date:	01/21/2026		Time:	09:23:11	
Photographer:	Luke Bomar			Witness Name:	Mason Tidmore, Kamilah Hutchinson		



Description:	View to the northeast. On berm of RCS#2 (under construction) with freestalls and RCS#1 in background.		
Latitude:	32.979	Longitude:	-95.331



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Facility/Location:		Bouma Dairy					
City:	Winnsboro	County:	Hopkins	State:	TX	Direction:	N
Filename:	R0010713.JPG	Photo Date:		01/21/2026		Time:	09:25:15
Photographer:	Luke Bomar			Witness Name:		Mason Tidmore, Kamilah Hutchinson	



Description:	View to the north. Berm between RCS#2 and creek.		
Latitude:	32.980	Longitude:	-95.331



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Facility/Location:	Bouma Dairy						
City:	Winnsboro	County:	Hopkins	State:	TX	Direction:	S
Filename:	R0010714.JPG	Photo Date:	01/21/2026		Time:	09:55:22	
Photographer:	Luke Bomar			Witness Name:	Mason Tidmore, Kamilah Hutchinson		



Description:	View to the south. Channel at end of maternity barn that routes to settling basin,		
Latitude:	32.981	Longitude:	-95.328



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Facility/Location:	Bouma Dairy						
City:	Winnsboro	County:	Hopkins	State:	TX	Direction:	SW
Filename:	R0010715.JPG	Photo Date:	01/21/2026		Time:	09:06:17	
Photographer:	Luke Bomar			Witness Name:	Mason Tidmore, Kamilah Hutchinson		



Description:	View to the southwest. Mortality burial pit.		
Latitude:	32.976	Longitude:	-95.339

Appendix 2

Aerial Photograph Log



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1



Photo 1: Aerial photo, sourced from Google Earth, depicting the facility and surrounding areas.