

Key Documents Produced by the DTAS Harmonisation Group

This publication contains a selection of key documents produced by the DTAS Harmonisation Group designed to achieve conformity across the milk haulage sector and offer best practices, guidance and support to the industry.

Benefits:

- Avoiding confusion at depots operating multi-contracts based at a single location
- Assisting new members to the scheme, or those starting organisations in milk, through ready-made examples of recognised procedures already in place and templates of key documents already produced.
- Increasing simplification, saving time and reducing costs.

Background and Objectives:

As DTAS has a number of member organisations, which each carry out a number of standard tasks but (not necessarily) using the same procedures or equipment, a DTAS Harmonisation Group was established to examine which of these tasks could be harmonised by standardising procedures.

The objectives of this work included establishing a common set of key-critical processes across all hauliers and producing generic templates (not showing prescriptive figures) that can be adapted for individual use.

N.B. These documents are recommended for use by DTAS members wherever possible but it is recognised that some companies will have rules/processes that are tailored to specifically suit local conditions and/or specific company requirements, so these documents will not be suitable.

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FARM COLLECTION TANKER SECURITY AND SEALING

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Page 11/12	Drawbar Trailer Sealing Points
Pages 13/15	Appendix 1: Examples of Bad Practice / Ineffective Sealing
Page 16	Appendix 2: Tanker status – recommended seal colours

1: MAIN SEALING POINTS

Farm Collection tanker:

- Hose tube
- Drawbar trailer (also applies to drag trailers)
- Side manway hatch
- Exposed pipework joints, joints and valves (including CIP line)
- Rear cabinet
- External sample point
- Top box

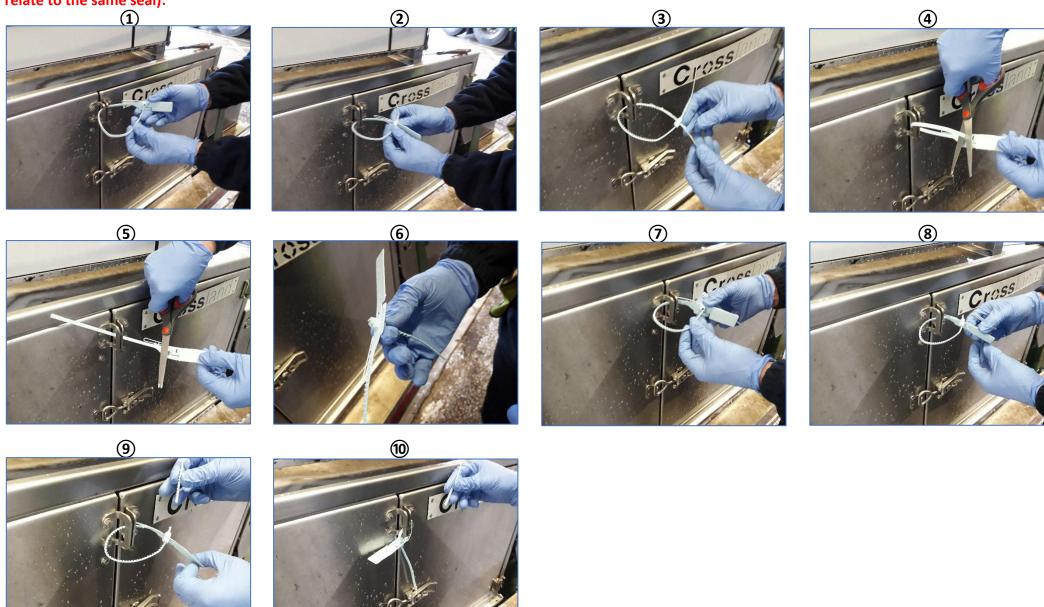
Secured using:

- Shoot bolts
- Clasps
- Padlocks
- Single use seals
- Encryption boxes
- Air locks "pneumatic" system

IMPORTANT NOTES:

- 1. Where single use seals are used, their application must ensure security and avoid access without the seal being compromised / broken.
 - The seal must not be cut and re-used (see page 2).

The seal must not be cut and re-used. These pictures demonstrate how an insufficiently tightened seal can be compromised (the sequence of photographs all relate to the same seal):



2. If there is an access ladder on the tanker, there is a requirement for top box to be sealed. The method of sealing needs to be visible from ground level.

Access ladder



Top box closed







Examples of ground level sealing.





Ladders can be sealed off



Security cable system secured to N/S Bogie Rail, along with ladder restriction.



Ladder restriction with padlock and cable tie for cable system



Ladder restriction open

Examples of alternative sealing methods for the top box. Where possible the method of sealing should be visible.





Top box with milk cable tie

Top box with padlock

DTAS Standard D5.1 states:

"Procedures must be in place for when a tanker is left unattended at an unsecured site in that all access points to the milk and milk contact surfaces must be secured to prevent tampering or to detect tampering".

If there is an access ladder on the tanker, there is a requirement for the top box to be secured. The method of securing needs to be visible from ground level. Where access ladders are present, these can be blanked off to provide security to the top box.

If there is no ladder on the tank, or the ladder can be sealed / sealed off then there is no requirement to physically seal the top box, subject to individual customer specification.

3. Any operator using systems with exposed flexi-hoses needs to be able to demonstrate a safe and secure way of managing the risk.





4. If an airlock system is in use, incorporating all access points, this will be deemed to be an adequate security measure.

Procedure:

- 1. The release button that is situated in the cab of a vehicle is just a simple push button that sends a positive signal to the rear door locks and opens for a time of 3 minutes.
- 2. Once the 3-minute time has been reached the door locks automatically re-activates.
- 3. Once the driver then closes the rear door the locks are enabled. They are set on a 3-minute timer to enable a driver adequate time to vacate the cab and walk to the rear of the vehicle.





The series of photos below demonstrates the system which is similar to a central locking system on a car.





Pneumatic valve to operate airlock

Rear boot door locking point

REAR CABINET LOCKING POINTS







Rear cabinet locking point retracted





Rear cabinet locking point deployed

2: DIAGRAMS OF FARM COLLECTION TANKER SEALING POINTS



Version 1 (as at May 2020)



HOSE TUBE



REAR CABINET

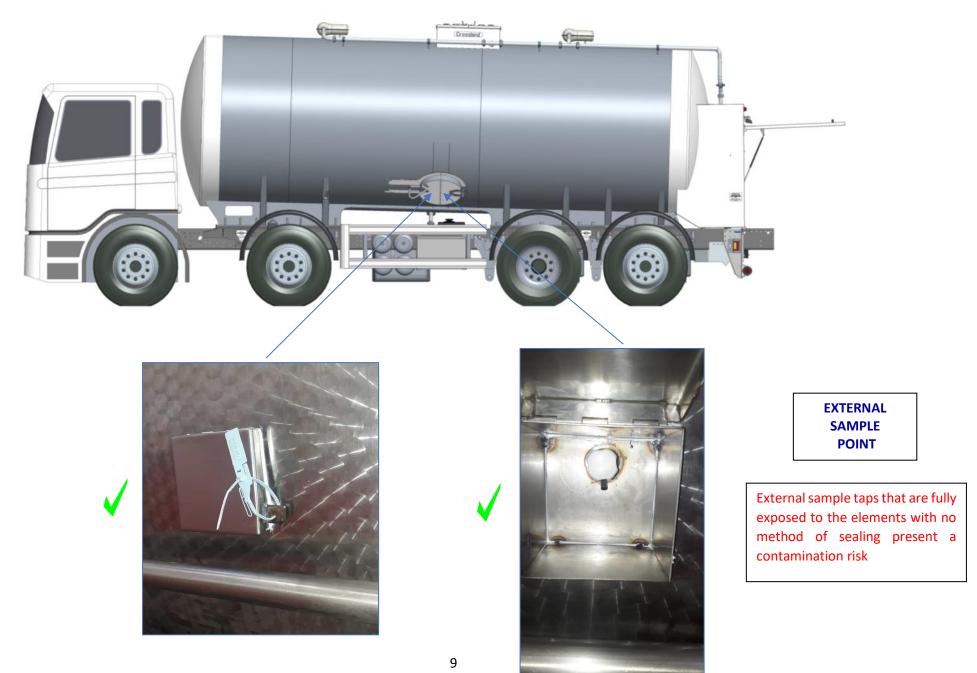
Correct method of applying security seal for this type of latch. Application of the seal has to be done in such a way that it cannot be opened without breaking the seal.



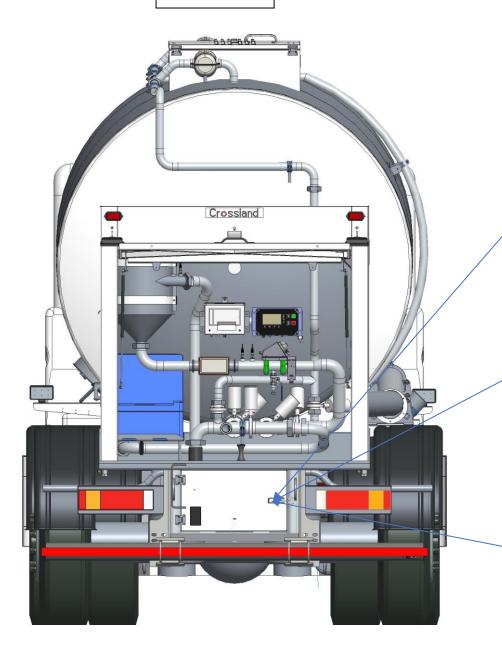


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Version 1 (as at May 2020)



REAR CABINET









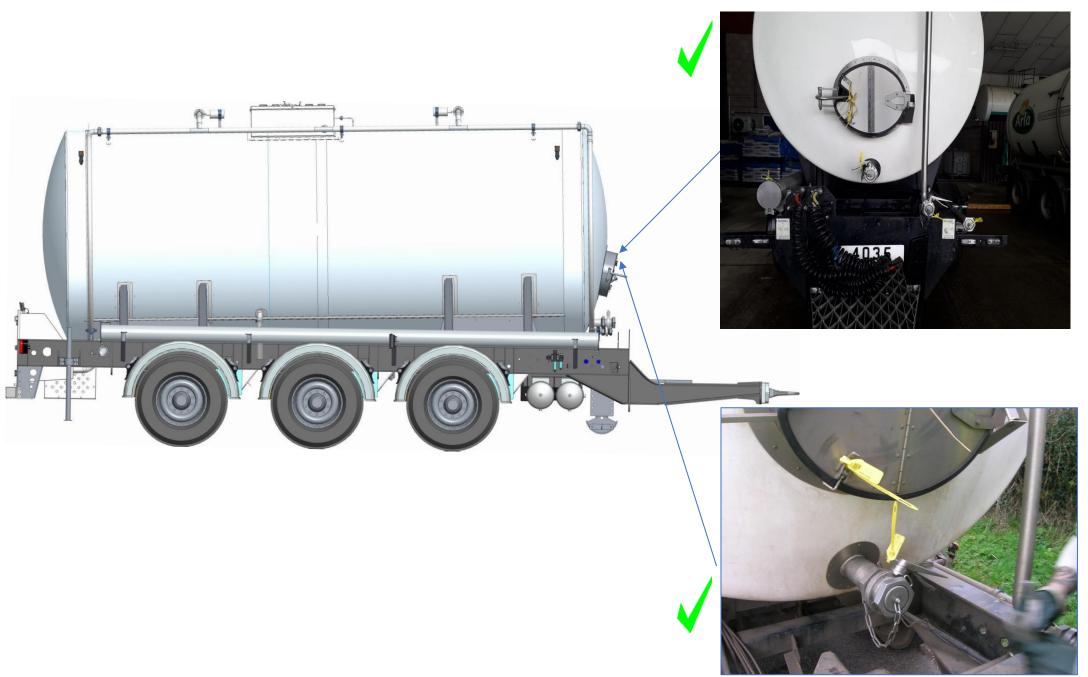


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3: DRAWBAR TRAILER SEALING POINTS

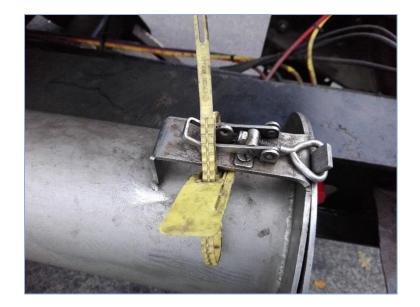






Version 1 (as at May 2020)

APPENDIX 1: EXAMPLES OF BAD PRACTICE / INEFFECTIVE SEALING





Hose tube secured?





Security seal slid from latch





Access to hose tube without breaking seal





If applied to ladder top seal could be compromised by sliding up and down the ladder rail





Seal not tightened sufficiently – could be cut and re-applied





Applied through handle only – needs to be applied to door centre brace to be effective





Applied loosely through eyelet only





Applied tightly but through eyelet only





Latch opened without breaking seal

APPENDIX 2: RECOMMENDED SEAL COLOURS

Wherever possible, it is suggested that the following seal colours should be used to indicate the status of the tanker.

- Clean/Empty Blue
- Partial Loaded White
- Fully Loaded Yellow
- Rejected Red
- Milk Fractions (Cream/Skim/Whey) Green
- Specialist e.g. Organic/C.I. n/a
- Other n/a

Acknowledgement:

We gratefully acknowledge the help of Crossland Tankers in the production of this document by supplying the tanker diagrams that have been used for illustration on pages 7, 8, 9, 10 and 12.

https://crosslandtankers.com/



HOT MILK DECISION TREES

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Page 1	1: General Parameters
Page 2	2: Tanker Driver Flow Chart
Page 3	3: Depot / Supervisor Flow Chart
Page 4	4: First Purchaser Flow Chart
Pages 5/8	5: Appendix: Examples of Forms

1: GENERAL PARAMETERS

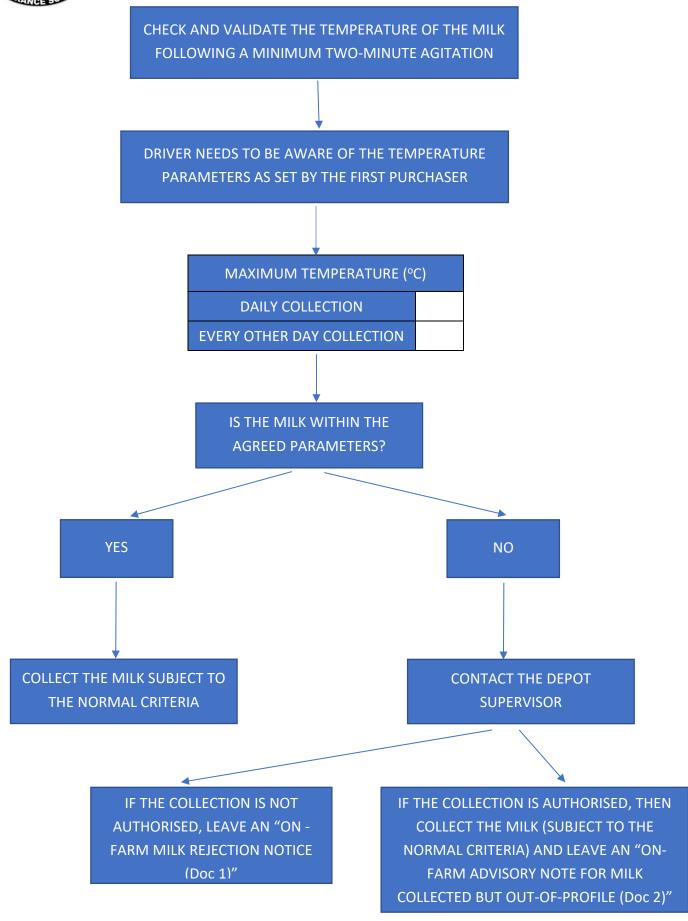
- 1. Supervisors need to be aware of the parameters as set by the First Purchaser
- **2.** The Supervisor needs to establish the key facts, including:
 - The current temperature on the vat gauge and hand-held thermometer (if applicable)
 - Is the milk cooling and agitating?
 - Has there been any recent history of temperature collection problems?
 - Clarify the smell and appearance of the milk
 - Clarify whether the supply is Every Other Day Collection (EODC) or daily collected there may be varying tolerances given to specific collection profiles
 - What information is available from the farmer, e.g.
 - When did the milking finish?
 - Has there been any disruption to the power supply or interruption to the cooling system?
- 3. On-farm Milk Rejection Notice / advisory note (Doc1) following non-collection of milk (example in appendix on page 5)
- 4. On-farm Advisory Note for milk collected but out-of-profile (Doc 2) (example in appendix on page 6)
- **5.** Capture details on the incident reporting system (example of Hot Milk Incident Report form (Doc 5) in appendix on page 8)

SUGGESTED ACTIONS:

- On-farm Milk Rejection Notice (Doc 1) and / or Advisory Note for Milk Collected but Out-of-Profile (Doc 2) should ideally be printed on brightly coloured paper, laminated to prevent damage and left in a prominent position where the farmer can see it (e.g. on dairy board / parlour board where the milk collection receipts are left)
- Tanker driver to be provided with a suitable marker pen for writing on a laminated document



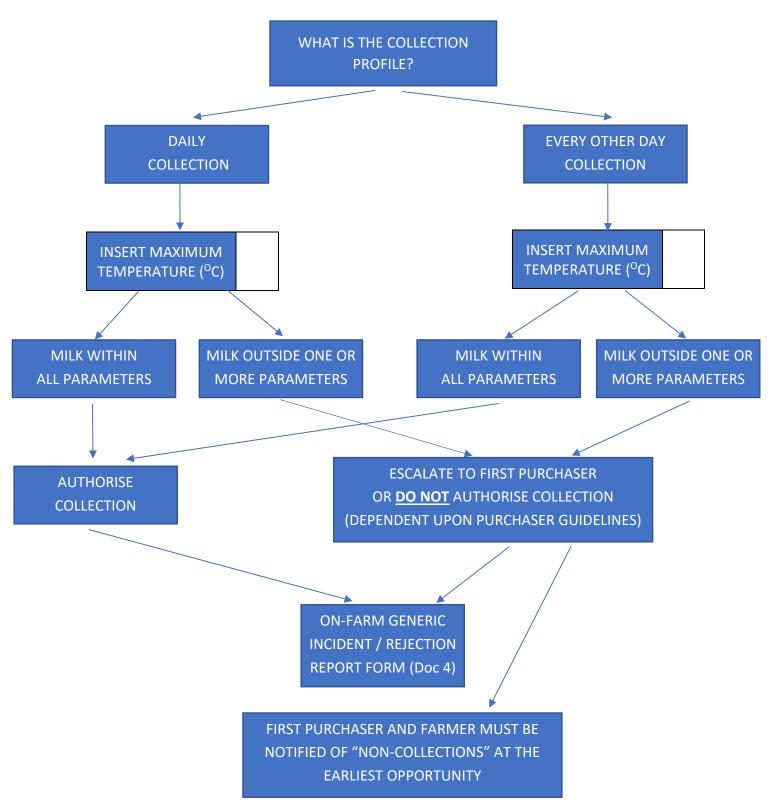
2: TANKER DRIVER FLOW CHART



NOTE: Examples of the "On-farm Milk Rejection Notice (Doc 1)" and "On-farm Advisory note for milk collected but out-of-profile (Doc 2)" can be seen in the Appendix on pages 5 and 6



3: DEPOT / SUPERVISOR FLOW CHART



NOTE: First Purchaser may require notification of authorised collections that have been subject to the above process.



4: FIRST PURCHASER FLOW CHART

NOTE: Each First Purchaser will set their own criteria and specific parameters.



ON-FARM MILK REJECTION NOTICE (Doc 1)

Your milk has been rejected as unmarketable and was not collected today because:

Milk temperature was too high	
Temperature recorded	
Presence of foreign bodies, appearance or smell of your milk gave cause for concern	
Antibiotic pre-sample fail	
Electricity supply had failed	
Agitator was not working	
Other (please specify)	

Please dispose of this milk before you commence milking

- Do not milk into this tank until you have emptied and cleaned your tank.
- Please be aware that if you milk on top of rejected milk, the entire consignment will be rejected.

To discuss, please contact your milk purchaser or depot.

Haulier:	
Driver:	
Date and time of rejection:	



ON-FARM ADVISORY NOTE MILK COLLECTED BUT OUT OF PROFILE (Doc 2)

Your milk has been collected today but you need to be aware that it was out of profile for the following reason:

Milk temperature was too high	
Temperature recorded	
Appearance or smell of your milk gave cause for concern	
Electricity supply had failed	
Agitator was not working	
Other (please specify)	

If this occurs again, this may result in your milk not being collected, or a subsequent tanker rejection.

To discuss, please contact your milk purchaser or depot.

Haulier:	
Driver:	
Date and time of incident:	



ON-FARM GENERIC INCIDENT / REJECTION REPORT FORM (Doc 4)

Haulier name:	Depot name:	Date:
Tanker driver	Vehicle reg / tanker ID:	Route number
name:	tanker ID:	number
Cumply Name	Farm Name	Cumply pump or
Supply Name	Farm Name	Supply number
Rejected?	NATURE OF INCI	DENT
Collected?	Presence of foreign bodies, appearance	e or smell
	of milk gave cause for concern	
	Antibiotic pre-sample fail	
	Electricity supply had failed	
	Agitator was not working	
	Other (please specify)	
Action taken / comments:		
Was the profile Every Day Collection (EDC) or Every Other Day Collection (EODC)?		EDC EODC
Time of arrival at farm:		
Was a Farm Milk Rejection Notice (Doc 1) left displayed on farm? YES / NO		YES / NO
Was a Milk Collected But Out Of Profile Notice (Doc 2) left displayed on farm? YES / NO		YES / NO
Farm samples taken?		YES / NO
Farm samples tested by haulier? YES / NO		YES / NO
Completed by: (name)		
Authorised by: (name)		
First purchaser informed:	Date:	Time:



ON-FARM HOT MILK INCIDENT REPORT (Doc 5)

Haulier name:	Depot name:	Date:	
Tanker driver	Vehicle reg /	Route	
name:	tanker ID:	number	
Supply Name	Farm Name	Supply number	
Rejected?	Collected?		
Action taken / comments:			
Time of arrival at farm:			
Is the collection profile daily or EODC?			
Farm vat gauge temperature or	n arrival		
Hand-held thermometer temper	erature on arrival		
Does the milk appear to be coo	oling at the time of collection?		
Vehicle loading temperature			
Time of collection (if applicable	e)		
Is the appearance and smell of	the milk normal?		
Estimated time milking was con	Estimated time milking was completed		
Historical milking time			
Is there any recent history of temperature collection problems?			
•			
Completed by: (name)			
Authorised by: (name)			
First purchaser informed:	Date:	Time:	



MILK REJECTION

CONTENTS	
Page 1	1: Examples of Reasons for Rejection
Page 2	2: On-farm Rejection Flow Chart
Page 3	3: Delivery Point Rejection and Flow Chart
Page 4	4: Appendix: Examples of Forms On-Farm Milk Rejection Note (Doc 1)
Page 5	On-Farm Advisory Note: Milk collected but out of profile (Doc 2)
Page 6	Delivery Point Incident / Rejection Report Form (Doc 3)
Page 7	On-farm Generic Incident / Rejection Report Form (Doc 4)

1: Examples of Reasons for Rejection

1. Inspection re appearance and smell

- Temperature
- Colour
- Presence of foreign objects
- Presence of lumps of butterfat

2. Agitator not working

3. Suspicion of malicious contamination by:

- Extraneous water
- Chemicals
- Medicines

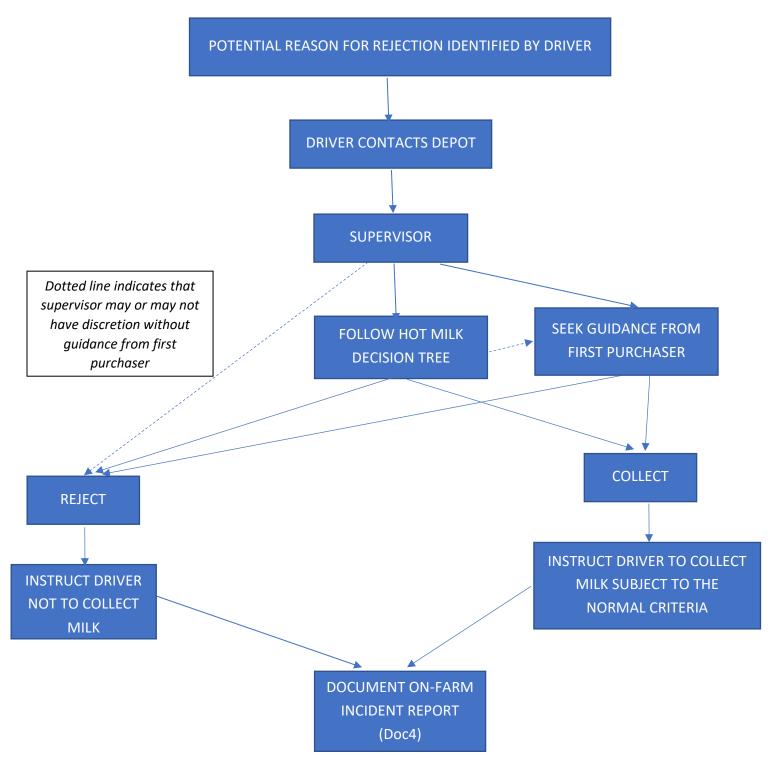
4. Suspicion of milk being added to the vat before or after sampling / commencement of collection:

- From other containers
- Milk being held back
- Milking is still taking place

5. Notice or instruction from farmer



2: ON-FARM REJECTION FLOW CHART



SUGGESTED ACTIONS:

- Inform farmer and first purchaser at the earliest opportunity
- A sample from the farm tank may be required depending upon the nature of the incident
- Driver to leave On-farm advisory note: milk collected but out of profile (Doc2) or On-farm milk rejection note (Doc1) where applicable

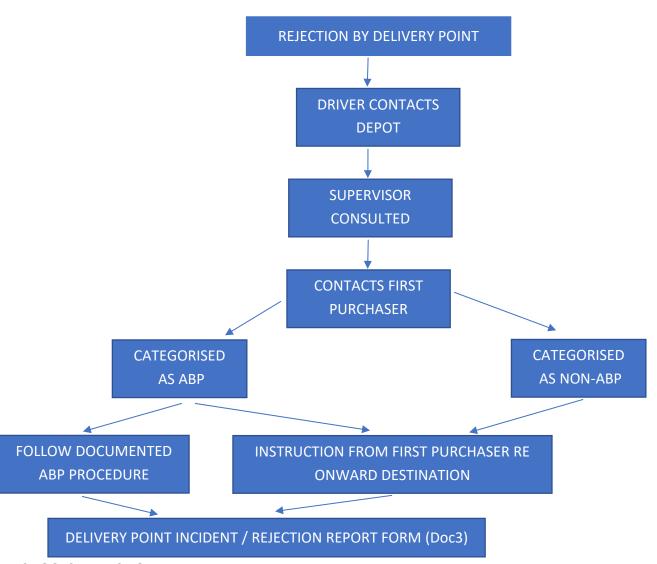


3: DELIVERY POINT REJECTION

POSSIBLE REASONS FOR REJECTION AT DELIVERY POINT

- Presence of antibiotics
- Extraneous water (freezing point depression FPD)
- Resazurin (keeping quality)
- Temperature outside guidelines
- Taste / taint of milk
- CIP contamination
- Age profile of milk
- Incorrect / incomplete wash record
- Incorrect / incomplete security and/or sealing
- Incorrect / incomplete paperwork

DELIVERY POINT REJECTION FLOW CHART



SUGGESTED ACTION:

Ensure CIP protocol is followed in all cases

ON-FARM MILK REJECTION NOTICE (Doc 1)

Your milk has been rejected as unmarketable and was not collected today because:

Milk temperature was too high	
Temperature recorded	
Presence of foreign bodies, appearance or smell of your milk gave cause for concern	
Antibiotic pre-sample fail	
Electricity supply had failed	
Agitator was not working	
Other (please specify)	

Please dispose of this milk before you commence milking

- Do not milk into this tank until you have emptied and cleaned your tank.
- Please be aware that if you milk on top of rejected milk, the entire consignment will be rejected.

To discuss, please contact your milk purchaser or depot.

Haulier:	
Driver:	
Date and time of rejection:	



ON-FARM ADVISORY NOTE: MILK COLLECTED BUT OUT OF PROFILE (Doc 2)

Your milk has been collected today but you need to be aware that it was out of profile for the following reason:

Milk temperature was too high	
Temperature recorded	
Appearance or smell of your milk gave cause for concern	
Electricity supply had failed	
Agitator was not working	
Other (please specify)	

If this occurs again, this may result in your milk not being collected, or a subsequent tanker rejection.

To discuss, please contact your milk purchaser or depot.

Haulier:	
Driver:	
Date and time of incident:	



DELIVERY POINT INCIDENT / REJECTION REPORT FORM (Doc 3)

Haulier		Dep	oot name:	Date of incident:						
name:							Time of incident:			
Tanker driver			icle reg / ker ID:				Route	number:		
name:		I all	kei ib.							
Delivery / Rejection Point				Ex-	-Farm?	YES /	/ NO	Reload?	YES	S / NO
(dairy / reload site)				Rej	ected?	YES /	/ NO	Delivered?	YES	S / NO
NATURE OF INCIDENT / REJECTION (✓)										
FPD / Extraneous water			ontaminated) wash	problem		
Antibiotics			orofile				curity	<u> </u>		
Resazurin			perature				ste / Ta			
Incorrect / incomplete pape	rwork	•								
Other (please specify)										
		I								
DOCUMENTS RETAINED:		✓			SAN	APLES				✓
Rejection Note			Farm samples analysed by rejecting site?							
Waste Transfer Note			Farm sampl	les retrieved	d from reje	ecting sit	e?			
BCT55 (Route Summary)	BCT55 (Route Summary)		Farm samples tested by haulier?							
D600 (Consignment Note)			Tanker sample taken?							
Wash Sheet			Farm and tanker samples submitted to accredited laboratory in warranty bag with instructions?							
Security / Seal Sheet			Farm pre-sampled before next collection:							
										_
Account – report any known result	s, commu	ınications a	nd relevant poi	ints associat	ed with the	rejectioi	n:			
Astisus tales of Classes and task										
Action taken / Closure notes:	Closure notes:									
Information collated by: (nam	Information collated by: (name)									
Authorised by: (name)										
First purchaser informed:			Date:	Time:						



ON-FARM GENERIC INCIDENT / REJECTION REPORT FORM (Doc 4)

Haulier name:	Depot name:	Da	nte:		
Tanker driver name:	Vehicle reg / tanker ID:		ute mber		
Supply Name	Farm Name	Su	pply number		
Rejected?	NATURE OF INC				
Collected?	Presence of foreign bodies, appearance of milk gave cause for concern	e or smell			
	Antibiotic pre-sample fail				
	Electricity supply had failed				
	Agitator was not working				
	Other (please specify)				
Action taken / comments:					
Was the profile Every Day Collection (EDC) or E	very Other Day Collection (EODC)?	EDC	EODC		
Time of arrival at farm:					
Was a Farm Milk Rejection Notice (Doc 1) left displayed on farm?			YES / NO		
Was a Milk Collected But Out Of Profile Notice (Doc 2) left displayed on farm? YES / NO			YES / NO		
Farm samples taken? YES / NO			YES / NO		
Farm samples tested by haulier?			YES / NO		
Completed by: (name)					
Authorised by: (name)		T			
First purchaser informed:	Date:	Time:			



ANIMAL BY-PRODUCTS

CONTENTS				
Pages 1/3	Transit note for animal by-products			
Pages 4	Animal by-products explained			
Page 5	Transit note template			

IF REQUIRED TO TRANSPORT ANIMAL BY-PRODUCTS, PROOF OF REGISTRATION AS A WASTE CARRIER WITH THE RELEVANT ORGANISATION BELOW MUST BE DEMONSTRATED:

- The Environment Agency England
- Natural Resource Wales Wales
- Scottish Environment Protection Agency (SEPA) Scotland
- Northern Ireland Environment Agency (NIEA) Northern Ireland

1: TRANSIT NOTE FOR ANIMAL BY-PRODUCTS

Completing Transit Note for animal by-products (ABP)

1. Scope and Background

Method for completing Transit note for animal by-products.

All Haulage Depots must have a supply of the ABP Transit Notes – three copies should be made for each rejection.

The **transit note for animal by-products** must accompany every load of Raw milk that has been categorised as an animal by-product.

2. Procedure

Below is the procedure for when the haulier has to take full responsibility for managing the rejection/disposal (the rejection site/first purchaser may wish to implement their own procedure/paperwork).

Transit note must be fully completed

- a. Under **Date of rejection** please fill in the date the load was rejected from the customer (dd/mm/yy)
- b. Under **Rejection Number** please fill in rejection number which will be issued by purchaser.
- c. Under **Time Of Rejection** please fill in time (hh/mm) load was rejected from site
- d. Under **Haulier Name and Depot address at point of rejection** please fill in full name and address of Haulier at point of rejection
- e. Under **Tanker registration and trailer number at point of rejection** please fill in registration and trailer number of load rejected and tick to confirm an ABP label has been applied to the tank
- f. Under **reason for rejection** please fill in the description of the milk no longer intended for human consumption e.g. "antibiotics present"
- g. Under **Rejection site name and address and volume of load** please fill in full name and address of rejecting customer plus volume on load
- h. Ensure the correct ABP Category box is ticked. Likely to be Cat 2.

Animal by-products (ABPs) are animal carcasses, parts of animals or other materials which come from animals but are not meant for humans to eat. They can either be destroyed or can be used to make compost, biogas or other products.

ABPs are divided into 3 categories, based on the risk they pose - a general indication of the category they relate to is shown below but, to see full information on what is included in each category, please either click on the link below or refer to the Appendix on page 4.

- Category 1 FOR DISPOSAL ONLY e.g. milk rejected containing veterinary products not licensed for dairy cattle, heavy metals - Mycotoxin - pesticides above regulatory limits, poison
- Category 2 NOT FOR ANIMAL CONSUMPTION e.g. milk rejected for antibiotics, containing milk from TB reactor cows
- Category 3 NOT FOR HUMAN CONSUMPTION e.g. milk rejected for taint, souring, low fat, raised TA, age, security breach, resazurin, temperature, low FPD, wash water

https://www.gov.uk/guidance/animal-by-product-categories-site-approval-hygiene-and-disposal

- i. Under **driver removing load from rejection site** the driver must sign and print THEIR name and date it in this section
- j. Under **if rejected load is transhipped** please fill in the name address of the Haulier that is taking the load to the disposal site and tick the box to confirm an ABP label has been applied to the tank and also fill in tanker registration and trailer number.
- k. Under **Driver delivering load to approved disposal site** the driver must name and date it in this section.
- I. Under Name of Company accepting the load please fill in full name and address of final destination of ABP load.
- m. **Under Approval Number** please fill in Approval number for receiving site should be available from the site.

The Person accepting the load at the disposal site must also sign and print their name and fill in the date (dd/mm/yy) and site approval number in this section.

n. Three copies of the transit note should be made with one going to the receiver; the second copy staying with the primary Haulier and third being returned to the purchaser

For all rejections please apply appropriate ABP sticker to the tanker ensuring it covers the sign "for foodstuffs only"

All copies to be retained for 2 years.

- 3. Any tank involved in the movement of by-products must receive a full CIP prior to commencing further work.
- 4. All disposal sites must be approved and registered with the <u>Animal and Plant Health Agency (APHA)</u> as a waste disposal site.

ANIMAL BY-PRODUCTS EXPLAINED

ABPs are divided into 3 categories, based on the risks they pose.

Milk or milk products are category 1 ABPs if:

- you have given banned substances, such as beta-antagonists or thyrostatics, to any of the animals that produced the milk
- they contain residues of environmental contaminants such as organochlorine compounds including PCBs (polychlorinated biphenyl) or organophosphorous compounds

Milk or milk products produced by animals on your farm are category 2 ABPs if:

- they contain residues of substances that you are allowed to give your animals (e.g. veterinary drugs), but in a concentration that exceeds permitted levels (this would be the case, for example, for milk taken from a cow before the withdrawal period for an antibiotic has elapsed)
- they originate from live animals, which showed signs of disease that can be passed through milk to humans or animals

The following milk and milk products are category 3 ABPs:

- raw milk or colostrum from animals that, at the time of milking, didn't show any sign of a disease communicable to humans or animals through milk
- milk or milk products left over from the production of products for human consumption, for example centrifuge or separator sludge from a milk processor
- milk or milk products that are fit for human consumption, but aren't being sold to humans for reasons that pose no risk to public or animal health (e.g. commercial reasons)
- milk or milk products from catering sources (kitchens or canteens in homes, restaurants or other businesses)

https://www.gov.uk/quidance/how-to-dispose-of-milk-from-your-farm-or-dairy

2: TRANSIT NOTE FOR ANIMAL BY-PRODUCTS

Date of Rejection://	Rejection Number:
Time of Rejection:	
Haulier Name and Depot address at p	point of rejection:
Tanker Registration and Trailer number to the total confirm the ABP label has been applied to the total confirm the ABP label has been applied to the total confirm the ABP label has been applied to the total confirm the ABP label has been applied to the total confirmation.	
Description of product.	
Description of product:	
•	
Rejection site Name & Address:	
Volume of load (Litres):	
Category of Animal By-product: Tick	appropriate box below
Category 1 FOR DISPOSAL ON	ILY 📙
Category 2 NOT FOR ANIMAL (CONSUMPTION
Category 3 NOT FOR HUMAN (CONSUMPTION

Driver removing load from reject	,
Signed:	Date://
If rejected load transhipped, Na transporting load to Approved I	me and depot address of haulier Disposal site:
Tanker Registration and Trailer I confirm the ABP label has been applied	number:to the tank for disposal transit tick
Driver delivering load to Approvelow):	
I confirm I have received instructions detailed below	regarding delivery of the load as
Date:/	Time
Name of company accepting loa	
Destination address:	
	Post Code
	ed of in compliance with EC Animal By-