

## Chapter 2.8 Animal By-Products

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# 1. Introduction

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## 1.1 Purpose

### 1.1.1 Purpose

Slaughterhouses, wild game handling establishments, cutting plants and other meat plants produce material that is either unfit or not intended for human consumption. The purpose of this chapter is to advise FSA staff of their role in the official controls for animal by-products (ABP).

### 1.1.2 Reasons for ABP control

ABP are controlled to ensure:

- they do not compromise the hygienic production of meat
- they are not inadvertently or fraudulently diverted away from the disposal route back into the food chain
- human and animal health is protected and pathogens are not inadvertently spread
- they are safely and suitably handled, further used in accordance with the Regulations and safely and suitably disposed of

### 1.1.3 Definition

An ABP is the entire body, part of an animal or a product of animal origin which is not intended for human consumption.

### 1.1.4 Not intended for human consumption

Material becomes ABP when it is not intended for human consumption or is no longer intended for human consumption. For example, material may still be fit for human consumption but have no commercial value or not be intended for use on aesthetic grounds. Once material becomes ABP it cannot later revert to being a foodstuff.

### 1.1.5 SRM

SRM is covered in detail in chapter 2.7 on 'Specified risk material controls' and you should refer to it for guidance.

### 1.1.6 Categories of ABP

There are three categories of ABP:

- Category 1, which includes SRM for:
  - incineration
  - rendering
- Category 2
- Category 3

## 1.2 Legislation

### 1.2.1 Regulations

The handling and disposal of animal by-products is regulated by a number of pieces of legislation which include:

- (EC) 1069/2009
- (EC) 142/2011

- The Animal By-Products (Enforcement) (England) Regulations 2013 SI No 2952/2013
- The Animal By-Products (Enforcement)(Wales) Regulations 2014 SI No 2014/517 (W60)
- Regulation (EC) 852/2004
- Regulation (EC) 854/2004
- Regulation (EC) 853/2004

### **1.2.2 Animal by-products (Enforcement) Regulations, Regulation (EC) 1069/2009 and Regulation (EC)142/2011**

The Animal By-Products (Enforcement) Regulations (ABPR) apply and enforce Regulation (EC) 1069/2009 and Regulation (EC) 142/2011 and you will need to refer to both sets of legislation for guidance.

Together, they provide:

- the definition of ABP
- categories for ABP, (categories 1, 2 and 3)
- permitted options for disposal or future use of ABP
- the staining of ABP
- the storage and labelling of ABP
- the restriction of the movement of ABP which requires staining
- the service of legal notices for the disposal of ABP or for cleaning and disinfection of vehicles, containers or establishments

### **1.2.3 (EC) 852/2004**

Sets out the hygiene requirements with respect to the:

- storage
- handling
- disposal / elimination

of all food waste, non-edible by-products and refuse.

### 1.2.4 (EC) 854/2004

(EC) 854/2004 requires the OV to:

- verify the FBOs continuous compliance with FBOs own procedures concerning any collection, transport, storage, handling and processing, and use or disposal of ABP (including SRM)
- during inspection, check the removal, separation, staining and labelling of ABP
- declare meat unfit that fails to comply with the decisions concerning food chain information, live animals and meat

### 1.2.5 Starting point in the manufacturing chain and obligations

As soon as FBOs generate animal by-products or derived products which fall within the scope of Regulation (EC) No 1069/2009, they must identify them and ensure that they are dealt with in accordance with the Regulation ('Starting Point').

**Reference:** (EC) No 1069/2009, Chapter 1, Section 2, Article 4 (1)

## 1.3 Category 1 ABP

### 1.3.1 Definition

Category 1 ABPs are defined in Article 8 of (EC) 1069/2009.

The following are defined as Category 1 ABP. These pose the highest risk to human or animal health and include SRM:

- all SRM (see chapter 2.7 on 'Specified risk material controls' for further detail)
- entire bodies or parts of dead animals and carcasses containing SRM at the point of disposal (unless the SRM has been removed and disposed of separately)
- all body parts, including hides and skins, of animals suspected or confirmed as being infected by a TSE
- animal material (sludge) or animal by-products collected from waste water drain screenings in ruminant slaughterhouses and other premises in which SRM is removed

- animal material (sludge) or animal by-products collected during the treatment of waste water
- animals killed in the context of TSE eradication measures
- wild animals when suspected of being infected with diseases communicable to humans or animals
- products derived from animals treated with substances prohibited under EC legislation or containing residues of environmental contaminants
- mixture of Category 1 material with Category 2 material
- mixture of Category 1 material with Category 3 material

### 1.3.2 Examples of Category 1

The list below provides examples of the nature of Category 1 animal by-products FSA staff encounter. The list is intended for guidance and is not exhaustive:

- SRM.

**Reference:** see chapter 2.7 on 'Specified risk material controls' for additional information.

- Carcasses, blood and all parts (including hide / skin) from animals which do not prove negative for a TSE following testing.
- All parts (including hides / skins and blood) of TSE sampled carcasses disposed of prior to test results being obtained.
- Products suspected of containing EC prohibited non-medicinal treatments or illegal substances, such as elevated dioxin or heavy metal contaminants, if such residues exceed the permitted levels (but does NOT include products containing residues of permitted veterinary drugs).
- Bodies of wild game animals suspected of being affected by disease communicable to humans or animals, such as foot and mouth disease or tuberculosis.
- Any animal material that comes into contact with SRM after it has been removed from the carcass.
- Whole bodies of cattle, sheep, goats, water buffalo and bison either rejected at ante-mortem inspection, or found dead on arrival, or found dead in the lairage (unless SRM has been removed at the point of disposal).

### 1.4 Category 2 ABP

#### 1.4.1 Definitions

The list below provides a summary of Category 2 Animal By-Products, as detailed in Article 9 of Regulation (EC) 1069/2009. Category 2 Animal By-Products pose a high risk to human or animal health and comprise:

- animal by-products not included in definitions for Category 1 or 3
- sludge collected from 6 mm waste water drain screenings in non-ruminant (pig and poultry) slaughterhouse or wild GHE
- products containing residues of authorised veterinary drugs and contaminants exceeding the permitted levels
- material imported from third countries or member states which does not comply with the veterinary requirements of the EU
- animals and parts of animals that die other than by being slaughtered for human consumption, including those killed for disease control purposes (unless these fall into Category 1) and fetuses
- products of animal origin that have been declared unfit for human consumption due to the presence of foreign bodies in those products
- manure and digestive tract contents
- blood from any animal which has not passed ante-mortem inspection
- mixtures of Category 2 material with Category 3 material

Any material that does not fall into Category 1 or 3 must be treated as Category 2 material.

#### 1.4.2 Examples of Category 2 ABP

The list below provides some examples of the nature of Category 2 animal by-products FSA staff encounter. The list is intended for guidance and is not exhaustive.

- Any carcase, part of a carcase or offal, not containing SRM, which comes from an animal or bird which was not presented for full ante-mortem inspection, or not presented with the necessary Food Chain Information (FCI).
- Post-mortem rejects containing pathological lesions indicating disease communicable to man or animal; examples include septicaemic carcasses,

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pneumonic lungs, cysticercus bovis lesions, pericarditis, muscle abscesses, septic arthritic joints, and tuberculosis lesions.

- Material collected in drain traps or screens in non-ruminant slaughterhouses, where the material is carried in waste water which is destined for discharge from the plant.
- Whole bodies of pigs or poultry either rejected at ante-mortem inspection found dead on arrival or found dead in the lairage.
- Any carcass, part of a carcass, offal or trim which is visibly contaminated by harmful materials or by contact with any unhygienic surface such that it is a risk to human or animal health. Examples include faeces, stomach contents, lubricants, condensation, rail debris, rust, faecal smears.
- Lagomorph intestines (where removed in an approved game handling establishment).
- Any meat or offal not handled or stored in accordance with the Hygiene Regulations, which results in the meat becoming spoiled so that it is a risk to either human or animal health.
- Any meat that is unfit for human consumption or is spoiled in any way as to present a risk to human or animal health.
- Mouldy or decomposing meat or offal including discoloured contents of blown vacuum packs that may pose a risk to human or animal health.
- Any meat found to have residues of substances which may pose a risk to animal or human health. (**Note:** This includes soliped carcasses which test positive for the presence of phenylbutazone.)
- Blood from any animal that has not passed ante-mortem inspection (and therefore has not been slaughtered for human consumption).
- Deer carcasses where the bullet has entered through the abdomen causing bruising, bone damage and extensive contamination which has warranted rejection of the entire carcass.
- Whole bodies of small wild game either rejected at intake inspection, or found grossly contaminated in the larder prior to processing.
- Lagomorph intestines (where removed in an approved game handling establishment).

**Reference:** See chapter 5 on 'Residues' for additional information.

### 1.4.3 Exception for pig and cattle digestive tracts intended for biogas or composting

All sections of the digestive tract which are not SRM may be consigned from the slaughterhouse for biogas or composting, without removing the digestive tract contents, in the following circumstances only:

- the OV has made checks with Animal and Plant Health Agency (APHA) that the receiving premises are approved to carry out the appropriate process
- the gut contents do not present a risk of spreading any serious transmissible disease, Reference (EC) 1069/2009, Article 13(e)(ii)
- the FBO can demonstrate, to the satisfaction of the OV, that non SRM intestines, which are condemned or come from the carcass of an animal that has not passed ante or post mortem inspection, are not used for biogas or composting processes; this material must be disposed of as Category 2 material, unstained

To summarise, non-SRM unemptied digestive tracts that have passed ante and post-mortem inspection can be sent for biogas or composting, must be disposed of as Category 2 material, but staining is not required.

### 1.4.4 Digestive tract sections eligible for biogas

The table below shows the sections of the digestive tract eligible for biogas or composting provided the criteria listed on the previous page have been met.

<b>Pigs</b>	Entire digestive tract (stomach, small and large intestine)
<b>Cattle</b>	Entire digestive tract but not the last four metres of small intestine, the caecum or mesentery
<b>Sheep</b>	Entire digestive tract (stomach, small and large intestine)

## 1.5 Category 3 ABP

### 1.5.1 Definition

The list below provides a summary of Category 3 Animal By-Products, as defined in Article 10 of Regulation (EC) 1069/2009. These may be used for the production of pet food, subject to the provisions of (EC) 1069/2009, Article 35:

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- Carcasses and parts of animals slaughtered or, in the case of game, bodies or parts of animals killed, and which are fit for human consumption in accordance with Community legislation, but are not intended for human consumption for commercial reasons.
- Carcasses and the following parts originating either from animals that have been slaughtered in a slaughterhouse and were considered fit for slaughter for human consumption following an ante-mortem inspection, or bodies and the following parts of animals from game killed for human consumption in accordance with Community legislation:
  - carcasses or bodies and parts of animals which are rejected as unfit for human consumption in accordance with Community legislation at post mortem inspection, but which did not show any signs of disease communicable to humans or animals
  - heads of poultry
  - hides and skins (including trimmings and splitting), horns and feet, including the phalanges and the carpus and metacarpus bones, tarsus and metatarsus bones, of:
    - animals, other than ruminants requiring TSE testing, and
    - ruminants which have been tested with a negative result in accordance with Article 6(1) of Regulation (EC) No. 999/2001
  - pig bristles
  - feathers
- Animal by-products from poultry and lagomorphs slaughtered on the farm as referred to in Article 1(3) (d) of Regulation (EC) No 853/2004, which did not show any signs of disease communicable to humans or animals.
- Blood of animals which did not show any signs of disease communicable through blood to humans or animals obtained from the following animals that have been slaughtered in a slaughterhouse after having been considered fit for slaughter for human consumption following an ante-mortem inspection:
  - animals other than ruminants requiring TSE testing, and
  - ruminants which have been tested with a negative result in accordance with Article 6(1) of Regulation (EC) No. 999/2001
- Animal by-products arising from the production of products intended for human consumption, including degreased bones and greaves.

- Products of animal origin, or foodstuffs containing products of animal origin, which are no longer intended for human consumption for commercial reasons or due to problems of manufacturing or packaging defects or other defects from which no risk to public or animal health arise. It is important to note that these products are not to be despatched bearing the original ID mark if already wrapped / packed.
- Blood, placenta, wool, feathers, hair, horns and hoof cuts originating from live animals that did not show any signs of disease communicable through that product to humans or animals.
- Adipose tissue from animals that did not show any signs of disease communicable through that material to humans or animals, which were slaughtered in a slaughterhouse and were considered fit for slaughter for human consumption following an ante-mortem inspection.

### 1.5.2 Examples of Category 3

The list below provides some examples of the nature of Category 3 animal by-products FSA staff encounter. The list is intended for guidance and is not exhaustive.

- Carcasses or parts of carcasses which have passed ante and post-mortem inspection, but for commercial or other reasons are not intended for human consumption.
- Examples: incised pig offal, pig spleens, stomachs and intestines from mammals or ratites empty of digestive material (except the last four metres of bovine small intestine and caecum which are Category 1), bovine head meat not intended for human consumption, bovine udders from animals that have passed ante and post mortem inspection and show no sign of any disease communicable to humans or animals, provided that the udders are not contaminated to the extent that they present a risk to human or animal health, skinned young lamb heads, sheep head meat, poultry necks, poultry intestines, testicles, pig rind, bones from a cutting plant.
- Unskinned bovine, ovine and caprine feet from animals that have passed ante mortem inspection, provided they are not contaminated to the extent that they present a risk to animal or public health.
- Unskinned bovine ears derived from carcasses that have passed ante mortem and post-mortem inspection and are free from ear tags, infection and abscesses.

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- Unskinned young lamb heads from animals that have passed ante and post mortem inspection, and are not suspected of suffering from any disease communicable to humans or animals. Where such a suspicion exists, the heads should be skinned and inspected prior to making a decision regarding their classification.
- Unskinned pig heads from pigs that have been skinned rather than scalded, singed or depilated, and are from animals that have passed both ante and post mortem inspection. Such heads should show no signs of disease communicable to humans or animals, and must be visibly clean and free from contamination.
- Parts of a carcass or offal that are not permitted by the Hygiene Regulations to be used for human consumption but which are nevertheless no risk to animal or human health. Examples include livers with fluke lesions, milk spot lesions, Muellerius lung lesions, melanosis, material trimmed from the sticking point.
- Any carcass, part of a carcass or offal not produced, stored or transported in accordance with the Hygiene Regulations which consequently renders the meat unfit for human consumption. Examples include traceable meat with no health mark, meat stored or found over temperature to the extent of making it unfit for human consumption.
- Meat which falls on a visibly clean floor, is picked up promptly and which is rejected as unfit for human consumption for that reason.
- Material collected in drain traps or screens in non-ruminant slaughterhouses, where it is established that water is being used to transport ABPs that are exclusively Category 3 in origin, and the water is not being discharged from the establishment as waste water (such as feathers and hairs from water flumes).
- Trimmed fat or waste carcass meat, that having passed ante and post-mortem inspection, is not intended for human consumption.
- Fat trimmed prior to post-mortem inspection, provided this originates from animals which did not show any disease communicable through that fat to humans or animals.
- Obvious lymph nodes and nervous tissue removed during cutting of fat from bovine animals.
- Meat rejected by the producer because it no longer meets specification.
- Poultry heads and feet that have passed post-mortem inspection on the line attached to the carcass.

- Poultry heads and feet separated from the carcase prior to post-mortem inspection but which have passed ante mortem inspection.
- Hides, skins, hooves / feet, horns, pig bristles and feathers derived from animals, other than ruminants requiring TSE testing or with a negative result, that have passed ante mortem inspection.
- Heads, feet and feathers of small wild game.

### 1.5.3 Further examples of poultry Category 3

The following rejected poultry meat can be treated as Category 3, provided it has passed an official post-mortem inspection point (inspection at whole-bird point is deemed sufficient and carcase can be removed at that point).

Post mortem rejections caused by the slaughterhouse process (for example, machine damage, overscald, uncut, badly bled).

- Product that is not intended for human consumption even though it is fit for human consumption (runts; carcasses partially affected by abnormalities once the abnormalities are removed).
- Traumatic lesions such as bruises and fractures that are not infected.
- Carcasses affected with ascites, when such condition is proven to be caused by cardiac insufficiency.
- Carcasses contaminated by crop, upper digestive tract spillage or bile staining during the slaughter process.
- Unemptied poultry digestive track.

### 1.5.4 Downgrading of Category 3 material

Cat 3 material that is showing signs of decomposition whilst in storage in approved premises does not need to be downgraded to Cat 2 or Cat 1, but cannot be processed further (for example, into pet food). The FBO should be required to separate such material from other Category 3 material.

**Reference:** Regulation (EC) 1069/2009, Article 14(d).

**Enforcement:** Where an FBO refuses to despatch such material from the premises, then a notice requiring the disposal of ABP under the ABP Regulations should be served by the OV. A copy of the document is at chapter 9 on 'Forms' (ENF 11/12).

### **1.5.5 Blood intended for human consumption**

When blood is intended for collection for human consumption, the following three requirements must be observed:

- It is from animals which have passed both ante and post-mortem inspection.
- A workable system is in place which allows the correlation of the blood with the carcass until post-mortem inspection has been completed.
- Blood from any carcass that has not passed post-mortem inspection, along with any other blood it has already been mixed with, is prevented from being despatched for human consumption.

Blood from a carcass that has not passed post-mortem inspection for human consumption may still be considered Category 3 material and go for approved category 3 uses (including its use as pet food) providing the blood is derived only from:

- pigs and poultry, which have passed ante-mortem inspection, or
- ruminant animals, which have passed ante-mortem inspection and have received negative TSE test result, where appropriate
- animals that did not show any signs of disease communicable through the blood to humans or animals

### **1.5.6 Blood products of porcine origin intended for use in feed for non-ruminant**

If porcine blood is to be used for the manufacturing of blood products for feeding to non-ruminant livestock:

- it should originate from animals which have passed ante and post mortem inspection
- or if rejected at post mortem inspection, it is not for any condition from the list below and:
  - a workable system is in place which allows the correlation of the blood with the carcass such as a multiple blood tank collection system operated in accordance with agreed protocols
  - blood from any carcass that has not passed post-mortem inspection for the reasons below, along with any other blood it has already been

mixed with in the collection tank to which it has been identified as having been sent to, is prevented from being used for the manufacturing of blood products for feeding to livestock

### 1.5.7 Blood products of bovine origin intended for use in pet food

If bovine blood is to be used for the manufacturing of blood products for pet food:

- it is from animals which have passed ante and post mortem inspection
- or if rejected at post mortem inspection, it is not for any condition from the table below and:
  - a workable system is in place which allows the correlation of the blood with the carcass such as a multiple blood tank collection system operated in accordance with agreed protocols
  - blood from any carcass that has not passed post-mortem inspection for the reasons below, along with any other blood it has already been mixed with in the collection tank to which it has been identified as having been sent to, is prevented from being used for the manufacturing of blood products for feeding to livestock

Pigs	Cattle
Septic peritonitis	Septicaemia / peritonitis
Septic pleurisy	Septicaemia / pneumonia
Suspect pyaemia / multiple abscesses	Suspect pyaemia / multiple abscesses
Suspect fever / septicaemia	Septicaemia / other
Tuberculosis (generalised)	Tuberculosis (generalised)
Erysipelas (generalised)	
Any notifiable disease	

Blood rejected for any of the conditions above, although unsuitable for the manufacturing of blood products, can still go for other Category 3 uses including manufacture of bloodmeal (in the case of ruminants after TSE testing clearance).

In all circumstances, blood from animals with suspect levels of residues of authorised substances or contaminants above permitted levels should be disposed of as Category 2.

## 2. FSA Role

### 2.1 Frequency of checks

#### 2.1 Frequency of checks

Checks should be performed as required to verify FBO compliance.

Task	By	Recommended minimum frequency:	
		at a slaughter-house	at a cutting plant or GHE
Identification and separation	Any FSA team member who is appropriately authorised	Daily	At audit visits
Staining		Daily	
Storage		At the end of processing	
Transport and disposal		Monthly	
Records		Monthly	
Blood Management		Daily when carcasses are rejected	
Checks on Approval Status of receiving establishments		Monthly	
Enforcement	OV	As required in accordance with the hierarchy of enforcement	
Audit of FBOs own procedures for ABP management	OV is responsible for the audit, but MHI may assist by collecting information	As determined by risk assessment	

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Task	By	Recommended minimum frequency:	
		at a slaughter-house	at a cutting plant or GHE
Supervision and assistance in collection of samples for educational, diagnostic or research purposes  <b>Note:</b> All requests for samples must be directed to the FBO as the owner of the product	OV or MHI	This work should only be completed where authorised by Field Veterinary Co-ordinator)  FSA can assist in collection of samples providing this does not require additional time or cause lapses in the normal controls	At audit visits

Dependent on the outcome of the checks and inspections, the OV may use their discretion to increase or decrease the number of checks undertaken.

If the FBO is shown to be compliant with ABP requirements, it would be appropriate to reduce inspection frequencies to less than daily. If the FBO is shown to have weaknesses in their ABP controls, it would be appropriate to intensify the daily inspections.

The 'Risk Based Decision Tool (RBT) for ABP and SRM' in Chapter 2.7 on SRM Controls at Annex 1 is designed to assist the OV in deciding whether checks on the staining and further handling of SRM should take place on a daily basis, or less frequently. OVs should use the decision tool monthly or, in sites operating less than 3 times a week, quarterly, and record the outcome in the plant Daybook. If there are any areas of SRM handling that change, or weak areas that pose a risk of SRM entering the animal or human food chain, the OV can amend the level of checks, in consultation with the FVC. Any changes should be regularly reviewed.

### 3. Verification Procedures

- 3.1 Introduction
- 3.2 Verification and inspection guidelines for ABP

#### 3.1 Introduction

##### 3.1.1 Verification

During inspection the FSA authorised officer (AO) must verify the FBOs compliance in relation to the legislation. The MIG, and the Industry Guide on Edible Co-Products and Animal By-Products can be used for this verification task.

##### 3.1.2 Verification procedure recording system

Slaughter Hygiene Verification (SHV) K2 form in red meat slaughterhouses must be completed whenever the AO is aware of non-compliance. The hierarchy of enforcement should be used if a non-compliance is identified.

##### 3.1.3 FSA Audit of FBO controls on ABPs

SHV K2 data will be used by the VA to gather information on FBO compliance levels for ABP controls during the audited period.

##### 3.1.4 ABP and SRM

SRM is Category 1 ABP.

Any SRM non-compliance should be reported via the SRM recording system and not the ABP system.

### 3.2 Verification and inspection guidelines for ABP

#### 3.2.1 Other references

The following verification and inspection guidelines are not exhaustive. Reference should also be made to both the MIG and the relevant legislation.

**Note:** see section 5 of this chapter on 'Enforcement' regarding declaring meat unfit for human consumption.

#### 3.2.2 Identification and separation

Verify that the FBO ensures that:

- all material which is ABP has been identified as ABP
- all ABP has been identified as the correct category
- any lower category ABP which has come into contact with a higher category ABP has been treated as the higher category material
- floor waste is managed suitably to reduce any risks

#### 3.2.3 Staining

Verify the FBO ensures that:

- suitable quantities of the correct dye available for the staining of:
  - Category 1 ABP (including SRM)
  - Category 2 ABP (colouring agent)
- the stain is properly prepared and there are suitable facilities for its application
- the stain is applied properly
- the stain is not contaminating meat intended for human consumption
- Category 1 material containing SRM is stained with a 0.5% solution of Patent Blue V E 131

**Note:** See chapter 2.7 on 'Specified risk material controls', sub-topic 3.6.1 on 'Staining of SRM' for action to take where it is suspected that the correct stain is not being used.

- Category 1 material which does not contain SRM is stained with a colouring agent using a solution of such a strength that the staining is clearly visible and remains visible after the animal by-product has been chilled or frozen, for example, wild deer carcasses affected with TB.
- Category 2 material, with the exception of blood, gut contents and green offal mixed with gut content, is stained with a colouring agent using a solution of such strength that the staining is clearly visible and remains visible after the ABP has been chilled and frozen, and:
  - the stain is applied to the whole surface of the ABP, whether by immersing it in the stain, spraying it with the solution or by any other equally effective means
  - all pieces of Category 2 red meat and all poultry by-products comprising the entire poultry carcase (whether or not de-feathered or eviscerated) have had the solution applied after the surface has been opened by multiple and deep incisions

### **Exemption:**

- Cat 2 or Cat 3 material placed in a container, the contents of which is mainly green offal, need not be stained, but this refers only to small quantities. Larger amounts would require staining and disposal as Cat 2 if mixed with green offal
- ABP taken under the authority of a veterinary surgeon for examination
- ABP for educational, diagnostic and research purposes

**Reference:** See MIG and The Industry Guide on Edible Co-Products and Animal By-Products for an expanded list of exemptions to staining.

### **3.2.4 Storage and labelling**

ABPs must be stored and labelled in line with the legislation.

Verify the FBO ensures that:

- ABPs are stored in leak proof, impervious, lidded, indelibly marked and labelled bins
- bins are stored in a separate room or rooms capable of being securely locked or have closely fitting covers which are capable of being securely locked; storage of category 3 ABPs in the same air space where meat fit for human consumption is also kept is possible provided cross-contamination is prevented

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- the labels accurately reflect the ABP being held

**Note:** If there is a failure to implement this requirement, the FBO must be made aware of the non-compliance; although in cases where the labelling is legible it may be disproportionate to follow the hierarchy of enforcement to the level of recommendation for prosecution

- the storage of ABP does not risk the contamination of meat for human consumption
- ABPs stored frozen are kept in a dedicated building with separate boundaries entrances and reception bays that is approved as an ABP premises under (EC) 1069/2009. Staff and equipment must remain completely separate from the food premises and no food intended for human consumption can be taken into or stored in such premises
- any blood not intended for human consumption is stored in a leak proof, impervious facility and if it is disposed of before results from TSE tested animals have been received it is disposed of as Category 1 by incineration or co-incineration

**Note:** FSA is not the enforcement authority for the disposal of blood outside the premises.

- packaged ABPs bear the name of the producer and the address at which the ABP was packed, but not the ID mark
- meat declared unfit for human consumption which has been produced in slaughterhouses is stored in a locked facility when the site is closed; if the entire site is locked, the facilities where ABP is stored don't need to be additionally lockable
- storage bins / facilities are cleaned and disinfected after use to minimise any risks, attraction of insects, birds and vermin
- storage bins / facilities when not in use (being filled) must be proofed against insects, birds and vermin
- storage of hides intended for disposal as ABP should have adequate separation from hides intended for human consumption (for example, the production of gelatine or collagen)
- the requirements for labelling apply to storage containers and it is best practices for transfer bins. Where containers are used for collection within the processing area and transfer to storage containers, the FBO should identify the risk of failing to handle ABPs correctly and have a procedure on the HACCP plan to control that risk, such as appropriate labels provided so

that a clear system of identification is in place, or colour coding, to ensure that ABP bins are:

- used only for the correct category of ABP
- not used for material intended for human consumption

Collection containers must also be cleaned before return to production areas and maintained in a satisfactory condition.

Verify the FBO has procedures to ensure that ABPs are categorised correctly until despatch.

**Note:** Current Defra guidance on hide storage is available on Defra's website: <https://www.gov.uk/government/collections/guidance-for-the-animal-by-product-industry>

### 3.2.5 Disposal (including transport and despatch)

The following should be considered when disposing of ABPs:

- ABPs are despatched to plants approved or registered for the relevant category of ABP; this also applies to intermediate collection centres
- ABP hauliers must be registered. If they are part of an operation that is already approved (for example, approved renderer with own vehicles) the haulage part of the operation does not need a separate registration. The FBO can provide their vehicles and paperwork if they meet ABP rules. The FBO doesn't need separate ABP registration of the haulage operation if this is done by the same business approved under 852 or 853/2004

**Note:** Category 3 hides and skins may be returned by producers to their own premises after an animal has been taken to a slaughterhouse. Any producers wishing to follow this route need to be approved or registered with APHA.

- anyone collecting or disposing of ABP uses adequately covered (except when loading) leak-proof containers or vehicles, or new, sealed packaging
- Category 2 ABP may be consigned to recognised kennels or packs of hounds. The owner must have approval from APHA to obtain such material from a slaughterhouse. If such ABP are being consigned for disposal as feed for animals the ABPs must be labelled as 'For feeding to (the species of animal intended)'
- EU Regulations permit MS authorising the disposal of less than 20 kg of certain category 3 material per week by other means. This provision is only

applicable to products of animal origin, or foodstuffs containing products of animal origin, which are **no longer intended for human consumption for commercial reasons or due to problems of manufacturing or packaging defects or other defects** from which no risk to public or animal health arise.

**Reference:** Commission Regulation (EU) No 142/2011

- The complete list of derogations can be found at:  
<https://www.gov.uk/government/publications/derogations-from-the-animal-by-product-controls-under-regulation-ec-1069-2009-and-commission-regulation-eu-142-2011>

**Reference:** Regulation (EC) 1069/2009 Article 18  
The Animal By-Products (Enforcement) (England) Regulations 2013 Sch 1  
The Animal By-Products (Enforcement) (Wales) Regulations 2014 Sch 1

### 3.2.6 Disposal by incineration

Some types of Category 1 ABP must be disposed of by incineration only.

**Reference:** See chapter 2.7 on 'Specified risk material controls' for additional information.

### 3.2.7 Drain traps and gratings

Drain traps or gratings with a maximum size of 6mm are in place to collect category 2 and 3 material. If waste water is discharged to a sewer in plants processing ruminant carcasses the premises has drain traps or gratings with a maximum size of 4mm in place.

**Note:** Failure to comply with this requirement should be reported to the appropriate Water Authority.

### 3.2.8 Blood not for human consumption

Blood intended for use as pet food is derived only from:

- pigs and poultry which have passed ante-mortem inspection, or

- ruminant animals which have passed both ante and post-mortem inspection and have received negative TSE test result where appropriate

### **3.2.9 Blood for human consumption**

When blood is intended for collection for human consumption, the following three requirements must be observed:

- it is from animals which have passed both ante and post-mortem inspection
- a workable system is in place which allows the correlation of the blood with the carcass until post-mortem inspection has been completed
- blood from any carcass that has not passed post-mortem inspection, along with any other blood it has already been mixed with, is prevented from being despatched for use as a blood product, including for human consumption

### **3.2.10 Digestive tract separation**

If mechanical means are used to harvest intestine from ingesta, the washings are passed through a 4mm screen for ruminant ingesta and a 6mm screen for non-ruminant ingesta to prevent tissue contamination of the ingesta.

### **3.2.11 Disposal of intestine**

The emptied intestine must be identified and disposed of correctly. Empty and visually clean green offal can be disposed of as category 3, otherwise they are to be disposed of as category 2.

## 4. Record Keeping

### 4.1 FBO responsibility

#### 4.1 FBO responsibility

##### 4.1.1 Record details

Verify the FBO keeps consignment records for ABP which include:

- the date of the consignment
- name, address and licence / approval / registration number of the consignor
- description of the material including species, quantity and category of material
- ear tag number, if applicable, of any dead animal disposed of
- name and address of carrier
- name and address of approved receiver including approval or registration number
- signature of consignor / sender

**Note:** Commercial documents can be used as the operator's records providing they contain the required information including the name and address of the carrier and the name and address of the receiver (this may not necessarily be the final destination).

##### 4.1.2 Commercial documents

Verify the FBO has generated commercial documents in at least triplicate (3 copies):

- one copy accompanies the consignment to its final destination and must be retained by the receiver
- another copy is retained by the producer
- a further copy is retained by the carrier for audit purposes

**Note:** An electronic system equivalent to the paper based system described above is acceptable.

**Regulation:** (EC) 1069/2009, Article 21

### 4.1.3 Commercial documents contents

The AO is to verify the commercial document specifies:

- the date on which material was taken from the premises
- description of the material including:
  - the category of the material as per Articles 8 to 10 of 1069/2009
  - the animal species
  - if destined for feeding, the relevant point in Article 10 of 1069/2009 for Category 3 material and products derived therefrom
  - the ear-tag number, if appropriate
- the quantity of material, in volume, weight or number of packages
- the place of origin of the material, from where dispatched
- the name and address of the carrier
- the name and address of the receiver and, if applicable, its approval or registration number (under food, ABP or animal feed legislation)
- if appropriate, the approval number of the plant of origin, and the nature and methods of the treatment

Verify that the commercial document is signed by the responsible person, and that the colour of the signature is different to that of the printing.

### 4.1.4 ABP destroyed or used on the establishment

Verify the FBO keeps records of any ABP destroyed or used at the establishment, for example, incinerated or rendered.

### 4.1.5 ABP records retention

Verify the FBO retains records for a minimum period of 2 years.

# 5. Enforcement

- 5.1 Introduction
- 5.2 Statutory notices
- 5.3 Declaring meat unfit for human consumption
- 5.4 Enforcement of transport requirements
- 5.5 ABP destination concerns

## 5.1 Introduction

### 5.1.1 Enforcement responsibility

The FSA is responsible for enforcement within approved premises, acting on behalf of Defra, Scottish Government and Welsh Government. The Local Authority (LA) is responsible for enforcement relating to animal by-products outside of approved premises.

### 5.1.2 Approach

Where more than one legal provision is contravened:

- choose the specific provision that best fits the scenario
- escalate enforcement through the hierarchy
- this will be dictated by the powers available in the relevant implementing regulation
- once the enforcement has begun (verbal) under a particular Regulation, the escalation of the issue is to be undertaken always based on the same legal requirement; it is inappropriate to start enforcement under one legislative area (for example, verbal to written warning under Reg (EC) 1069/2009 and then decide to use Reg (EC) 852/2004 and to serve a RAN or HIN)

Where the non-compliance is a clear contravention of different EU regulations:

- it may be appropriate to escalate both issues in parallel, citing the separate legal references in all informal and formal enforcement
- this will always include verbal advice and if ignored, written letters of warning
- formal notices may only be served where the legislation provides such a power
- this may result in enforcement action for similar issues running in parallel but at a different pace, and referrals for investigation being put forward at different points in time where the non-compliances remain outstanding

For TSE and other Regulations lacking of formal notices, where the power to issue a formal notice does not exist under the legislation verbal and written advice would naturally be followed by a referral for investigation where FBOs fail to correct the non-compliance.

Different issues escalated at different speeds can always be linked at a later date where they evidence similar problems.

Evidence identifies contraventions enforced by other competent authorities.

This evidence should be secured and passed on for action.

### 5.1.3 Offences outside premises

Where the OV suspects breaches of the legislation outside the premises, they must inform the LAs for both the transporter if it is a transport related problem and the receiving premises.

### 5.1.4 Non-compliance

For any non-compliance with (EC) 1069/2009, (EC) 142/2011, ABPR or (EC) 852/2004 within approved premises, the OV should use the hierarchy of enforcement and have regard to risk based enforcement principles.

If there is an imminent risk to public or animal health and the FBO refused to comply with verbal advice, immediate action must be taken.

**Reference:** See chapter 7 on 'Enforcement' for additional information.

### 5.2 Statutory notices

#### 5.2.1 Statutory notices for non-compliances with ABPR

There are three statutory notices available to the OV to enforce contraventions of the ABPR:

- Notice for the Disposal of By-Products (ENF 11/12), where ABP are not being disposed of correctly.
- Cleansing and Disinfection Notice (ENF 11/13), where cleansing and disinfection of a vehicle, container or premises is necessary.
- Notice Prohibiting Animal By-Products being brought on to the Premises (ENF 11/14), where ABP are being brought into approved premises that are not approved as an intermediate plant.

**Reference:** See chapter 9 on 'Forms'.

#### 5.2.2 Statutory Notices for non-compliances with EC 852/2004

For contraventions of (EC) 852/2004, the OV should escalate the matter through the hierarchy of enforcement and where contravention persists, they may serve:

- a Hygiene Improvement Notice (ENF 11/23) under Regulation 6 of the Food Hygiene (Wales) Regulations 2006 (as amended), or Regulation 6 of the Food Safety and Hygiene (England) Regulations 2013

If an imminent risk to public health occurs, the OV may serve:

- a Remedial Action Notice (ENF 11/24) under Regulation 9 of the Food Hygiene (Wales) Regulations 2006 (as amended), or Regulation 9 of the Food Safety and Hygiene (England) Regulations 2013 where verbal advice is ignored

**Reference:** For additional information see chapter 7 on 'Enforcement', section 4.5 'Remedial Action Notices' and section 4.6 'Hygiene Improvement Notices'.

### 5.3 Declaring meat unfit for human consumption

#### 5.3.1 FSA role and responsibility

As part of FSA verification duties, Regulation (EC) 854/2004 places certain obligations upon the OV to declare meat unfit for human consumption in specific

circumstances. These include situations where any of the requirements contained in the provisions listed below are met:

- Annex I, Section II, Chapter II, decisions concerning food chain information
- Annex I, Section II, Chapter III, decisions concerning live animals
- Annex I, Section II, Chapter IV, decisions concerning meat

The OV must advise the FBO that the material in question can no longer be considered food, despite any previous intentions the FBO had with respect to that material. The OV must put in writing that the material is being formally 'declared unfit for human consumption' and cite the requirements of the European Regulations.

The material must be stained and disposed of as an ABP in accordance with the both the European and domestic ABP legislation.

Where the FBO fails to stain, dispose and consign the material in the correct manner, the OV must issue a formal 'Notice for the disposal of animal by-products' (ENF 11/12) requiring the disposal of the material within 48 hours.

Where the OV has served a notice which has not been complied with, they may arrange for it to be complied with at the expense of the person on whom the notice was served (Regulation 25(3) of the ABPRs (England), Regulation 25 (3) of the ABPRs (Wales)).

If the FBO refuses to comply with the formal notice, evidence must be gathered to support the breach of the notice and the matter must be referred for investigation (see chapter 7 on 'Enforcement').

**Reference:** See chapter 7 on 'Enforcement', annex 5.

## 5.4 Enforcement of transport requirements

### 5.4.1 OV action

The OV has responsibility for enforcement within approved premises.

If it is obvious that animal by-products will be transported contrary to the requirements of (EC) 1069/2009 or ABPR, the OV should take action as outlined in the table below.

Stage	Description
1	The OV informs the FBO and transporter of the non-compliance and that the matter will be reported to the LA who has enforcement responsibility for animal by-products during transportation.
2	The OV informs both the Local Authority in which the approved premises is situated and also the LA in which the premises of destination is situated of the potential breach of the legislation.
3	The OV gathers evidence and records in the FSA daybook: <ul style="list-style-type: none"> <li>• accurate details of the non-compliance</li> <li>• the contact names and time of notification to the LA</li> </ul>

### 5.5 ABP destination concerns

#### 5.5.1 Scenarios

There are scenarios where the AO has concerns about the destination of ABP. This, for example, could be ABP being diverted to the human food chain or category 1 / category 2 ABP being diverted to a cat 3 renderer.

There is a Service Level Agreement with APHA which provides the option of requesting checks on ABP destination. Two options are covered:

- Non-urgent concerns: scenarios where there is a concern about the final destination of ABP but the verification is not urgent. An example would be missing documentation for a period of time on ABPs. It is important to gather evidence about what has happened with these products but time is not a key issue.
- Urgent concerns: scenarios where we suspect the ABP has been diverted or is likely to be diverted, and there is the possibility the ABP is or is likely to be at the destination renderer.

#### 5.5.2 Trace back protocol

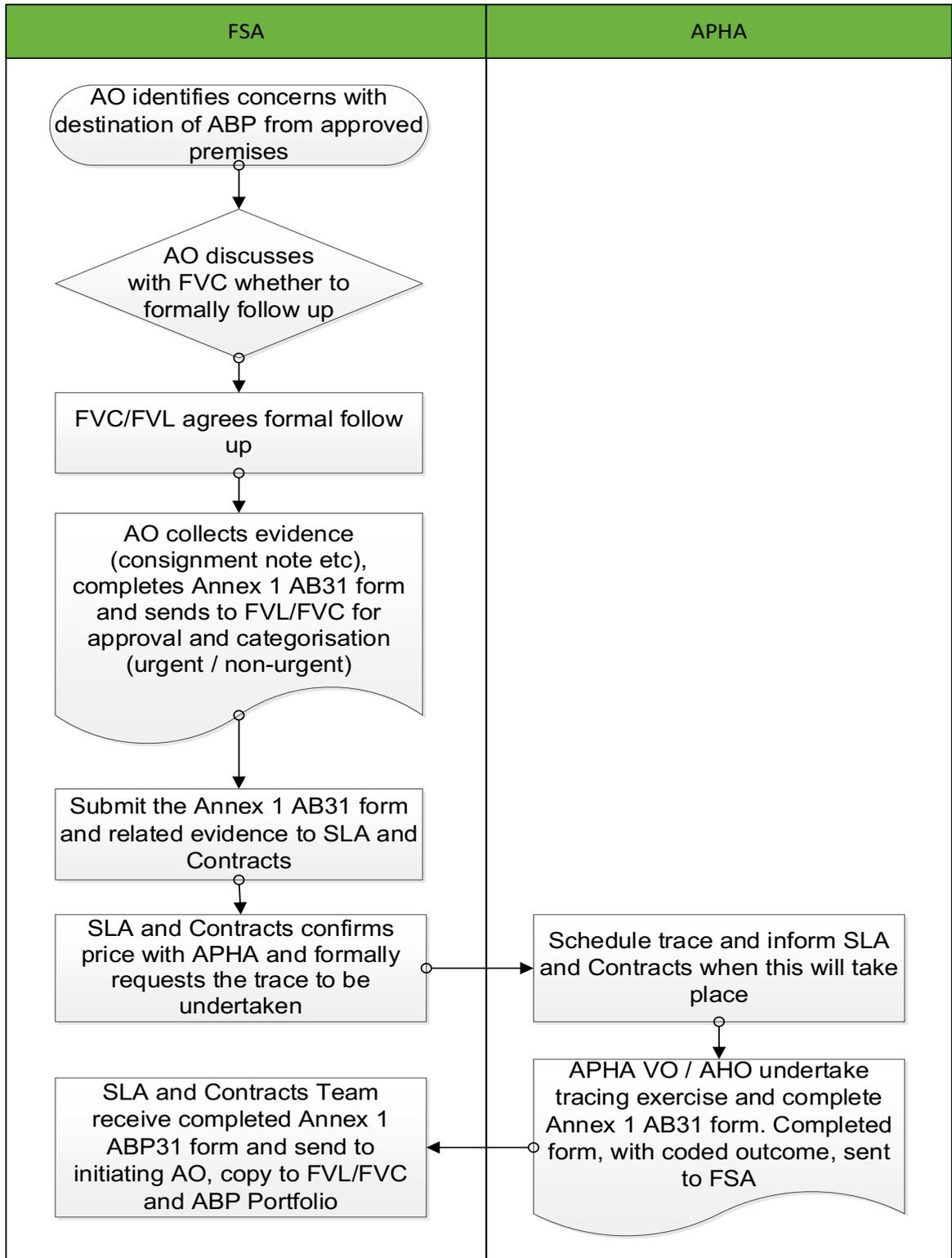
1. The OA is to contact their line manager to discuss the case.
2. If the need to undertake the check is agreed, the Annex 1 AB31 form is to be completed and sent to the relevant FVL / FVC for approval with category allocation: urgent or non-urgent.
3. If agreed, send the completed Annex 1 AB31 form together with the related evidence to SLA and Contracts Team.

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4. SLA and Contracts Team will submit the request to APHA for processing.
5. The outcome is sent back to SLA and Contacts Team.
6. SLA and Contracts Team will cascade the feedback to:
  - the relevant FVL
  - ABP Portfolio for information
  - AO that requested the check for action

### 5.5.3 Flow diagram of the trace back protocol



## 6. Annexes

Annex 1      AB31 Form