

Bird Flu Impacted Waste Disposal



A guide for Otago farmers when disposing of culled chicken and related waste impacted by bird flu.

Introduction

This guide has been prepared for you by the Poultry Industry Association of New Zealand, Egg Producers Federation of New Zealand and Harrison Grierson.

Inside this guide you'll find information on:

- Disposal Options for your region
- **Best practice tips – what we recommend**
- General advice and recommendations
- Who to talk to if you have questions
- Regional and District Plan rules to consider

Estimates

We estimate the following volumes and weight for carcasses + litter + manure for 10,000 birds. This is important to consider when assessing disposal options. Layer = 29t and 35m³ Broiler = 64t and 72m³

Recommendations

1. On-site **offal pits** (if consent is not required)
2. Offsite disposal (**landfills**) for any remaining waste that exceeds offal pit limits
3. Disposal requiring consent – offal pits that contravene a rule or composting.

Onsite Disposal

1. What can go in an offal pit?

- ✓ Carcasses and animal material including eggs
- ✓ Compost bulking agent (manure)
- ✓ Other organic household waste
- × No other bird flu impacted waste such as litter, shed material, feed, bedding
- × Dairy sludge or septic tank sludge
- × Hazardous substances such as explosives or electronics

2. Estimate the volume

- Offal pit sizes are limited by District earthworks rules:
- Queenstown Lakes = 1000m³ in total volume and 5m deep
- Waitaki = 100m³ and 50m² in total area.
- Central Otago, Clutha and Dunedin Districts = no limits on volume

If you have a volume of waste that exceeds these limits, you will need to dispose of excess at an offsite landfill or consider another method of disposal.

3. Select and appropriate site

- ✓ Leachate must not enter water
- ✓ Ensure appropriate buffers (described over the page) are met
- ✓ No groundwater seepage into the pit. **At least 1m above the groundwater table.**
- ✓ **Elevated ground where surface water can be diverted away from the hole.**
- × Areas containing high value soils
- × **Poorly drained areas or areas prone to flooding or ponding during high rainfall.**
- × Soils containing gravel and limestone

4. Digging your pit

- ✓ Dispose of waste as quickly as possible.
- ✓ Install erosion, sediment and dust controls as needed.
- ✓ Restore the surface to a similar state as the surrounding land.
- ✓ Provide Regional Council with an accurate location of the offal pit
- ✓ **Cover waste with at least 1m of soil or temporarily cover with plastic and soil, until the hole is full and can be capped.**

Offal Pit Buffer Distances

Buffer	50m	100m
Waterway/waterbody – lake, river, artificial watercourse, modified watercourse, natural wetland or the coastal marine area, property boundary	X	
Water abstraction point		X

Composting

Considerations

- Composting will likely require resource consent. Obtaining consent may take many months. **Because of this, we recommend offal pit and landfill disposal be sought first.**
- Indoor composting should be sought. Outdoor composting may be impacted by rain and cold temperatures.
- The composting material must reach temperatures of 55 degrees Celsius
- Minimum 30 days to complete – this will increase the time until farmers can return to normal operation.
- Consider how you will dispose of or use the final product before you decide to compost – off-site use may be limited due to perception
- Specialised equipment and extra staff may be required.
- The Composting Work Instructions must be followed.

Offsite Disposal

Not all landfills will accept culled chickens or bird flu-impacted waste. **Below are landfills that have indicated that they may be able to accept this waste.** We recommend off-site disposal as the second option, as this may be more costly than on-site disposal. Landfills are responsible for obtaining their own appropriate consents or authorisations.

Disposal of this material at a landfill will incur additional costs on top of routine landfill costs. Farmers should also consider transport costs.

AB Lime - Southland Regional Landfill

P: 02041132212 (Ansley Adams)
E: wastenet@icc.govt.nz
A: 10 Bend Road, Browns 9782

Kate Valley Landfill

P: 02108243882.
E: hleach@wm.nz
A: 554 Mt Cass Road, Teviotdale

Landfill Disposal Key Steps

1. Contact landfill operators

- Contact the landfill operator as soon as possible.
- Southern Regional Landfill requests at least two days' notice.
- Landfill operators will need to comply with the Landfill Work Instructions.

2. Estimate

The volume and weight of waste need to be estimated and supplied to truck and landfill operators.

The estimates provided offer a useful starting point, but farmers should calculate more precise figures based on the age and specific conditions of their population

3. Organize transport

- Trucks must be sealed and lined. Skips are sealed and won't need lining - just lidding.
- No leakage must be able to occur during transportation.
- Transporters will need to comply with the Biosecure Transport Work Instructions.

4. Submit Permitted Waste Application

- Applications to landfill facilities need to be made and approved prior to disposing of special waste. These cost from \$80+.
- Approval of applications depends on the level of detail provided up front.

General Advice

- If you want to dispose of waste in a way not described in this guide, please talk to a planner. Contact details are provided below.
- Resource consents – disposing of culled chickens is time-sensitive. We recommend disposal options that do not need a resource consent be sought first.
- If your chosen disposal option requires consent, we recommend you start the application process as soon as practical.
- Advice and recommendations may change – make sure this is the most recent version of this guide before taking action.

Council Contacts

Council	Stream	Contact #	Email
Otago Regional Council	Planning	0800 474 082	consent.enquiries@orc.govt.nz
Central Otago District Council	General	+64 3 440 0056	info@codc.govt.nz
Clutha District Council	General	0800 801 350	help.desk@cluthadc.govt.nz
Dunedin City Council	Planning	03 477 4000	planning@dcc.govt.nz
Queenstown Lakes Council	Planning	Submit an inquiry on their website	
Waitaki District Council	General	03 433 0300	service@waitaki.govt.nz

Planning and environmental advice

Name	Role	Contact #	Email
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Mary McConnell	Planner	+64 21 721623	m.mcconnell@harrisingrierson.com -