

**EMERALDENE POULTRY FARM**  
**DC29/0041/07**

**OPERATIONAL ENVIRONMENTAL  
MANAGEMENT PLAN  
(OEMP)**

**1<sup>ST</sup> DRAFT  
APRIL 2008**



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## **1. INTRODUCTION**

The proposed additional poultry houses and feedmill development and associated infrastructure, such as access roads, storm water and waste disposal area all to be managed by Emeraldene Poultry Farm, on privately owned agricultural land outside the town of Zinkwazi in the KWaDukuza Municipal area in the Dolphin Coast Region of Northern KwaZulu-Natal.

The proposal has been authorised by the Department of Agriculture and Environmental Affairs (DAEA) in terms of the National Environmental Management Act (Act 107 of 1989 as amended). The approval is subject to a number of conditions, including the production of Environmental Management Plans (EMP) for construction and operation.

This document comprises of an Operational Environmental Management Plan (OEMP) for the ongoing management of Emeraldene Poultry Farm.

## **2. ACTIVITIES**

Activities occurring will be as follows:

1. Poultry house construction
2. Feedmill construction
3. The management and maintenance of the basic infrastructure including roads and parking, sewers water, stormwater, solid waste disposal facilities, Eskom electricity and Telkom lines.
4. The management of existing on site vegetation.

## **3. MANAGEMENT RESPONSIBILITIES**

Developer  
Farmer

#### 4. IMPACT MANAGEMENT DETAILS

<b>ISSUE</b>				<b>SOLID WASTE MANAGEMENT (GENERAL)</b>			
<b>Objective</b>		To minimise the potential for environmental impact caused by waste generated during the operation of the Poultry farm. To promote the recycling and reuse of waste where appropriate. To comply with relevant waste disposal legislation, regulations and by-laws					
		<b>Responsibility</b>		<b>Timing</b>			
<b>Actions</b>		<ul style="list-style-type: none"> <li>➤ All waste to be removed off site shall be contained on site in the designated holding area prior to disposal in appropriate storage containers</li> <li>➤ All wastes from the operational phase shall be removed by the municipality on a weekly basis, and disposed of at a registered landfill site.</li> <li>➤ Waste storage containers, appropriate to the type and nature of the waste generated must be provided as and where appropriate.</li> <li>➤ Staff training must be undertaken on a regular basis to ensure the staff understands the principles of waste minimisation, recycling, waste disposal, and other waste issues.</li> <li>➤ Recycling is to be encouraged through the provision of separate receptacles for different types of waste, and staff must be made aware of their uses.</li> </ul>		Farmer		Throughout operation  Throughout operation  Throughout operation  6 monthly  Throughout operation	
<b>Performance Indicators</b>		<ul style="list-style-type: none"> <li>➤ No waste material evident on site except for in the approved and designated storage areas</li> <li>➤ No complaints lodged</li> </ul>					
<b>Monitoring and reporting</b>		<ul style="list-style-type: none"> <li>➤ Daily inspections of site to be undertaken</li> <li>➤ Maintenance of waybill register proving disposal of waste at a registered landfill</li> <li>➤ Complaints to be reported to the Farmer and recorded in the complaints register.</li> <li>➤ Corrective Actions taken to be recorded in a Corrective Actions Report</li> </ul>		Farmer		Throughout operation  Throughout operation  Throughout operation  Throughout operation	

Corrective Action	<ul style="list-style-type: none"> <li>➤ Where non-compliance has occurred, a detailed report on the incident and the causes shall be recorded</li> <li>➤ Appropriate corrective measures to be instituted to ensure future compliance</li> <li>➤ Relevant authorities to be informed where necessary</li> </ul>	Farmer	<p>Throughout operation</p> <p>Throughout operation</p> <p>Throughout operation</p>
<b>ISSUE      SOLID WASTE MANAGEMENT (CHICKEN LITTER)</b>			
Objective	<p>To minimise the potential for environmental impact caused by chicken litter waste generated during the operation of the Poultry farm. To promote the utilization of organic waste as organic fertilizer on crop fields. To comply with relevant waste disposal legislation, regulations and by-laws.</p>		
		Responsibility	Timing
Actions	<ul style="list-style-type: none"> <li>➤ All waste to be removed off site shall be contained on site in the chicken litter holding area in each poultry house prior to disposal into removal vehicles.</li> <li>➤ All wastes from the operational phase shall be removed by the removal contractor/neighbouring cane farmer on a weekly basis, and disposed of on the neighbouring farms or at a registered landfill site.</li> <li>➤ Staff training must be undertaken on a regular basis to ensure the staff understands the principles of waste minimisation, recycling, waste disposal, and other waste issues.</li> </ul>	Farmer	<p>Throughout operation</p> <p>Throughout operation</p> <p>Throughout operation</p> <p>6 monthly</p>
Performance Indicators	<ul style="list-style-type: none"> <li>➤ No waste material evident on site except for in the approved and designated storage areas</li> <li>➤ No complaints lodged</li> </ul>		
Monitoring and reporting	<ul style="list-style-type: none"> <li>➤ Daily inspections of site to be undertaken</li> <li>➤ Complaints to be reported to the Farmer and recorded in the complaints register.</li> <li>➤ Corrective Actions taken to be recorded in a Corrective Actions Report</li> </ul>	Farmer	<p>Throughout operation</p> <p>Throughout operation</p> <p>Throughout operation</p>
Corrective	<ul style="list-style-type: none"> <li>➤ Where non-compliance has occurred, a</li> </ul>		Throughout



	vegetation. ➤ Maintain site alien plant free.		operation
Performance Indicators	➤ No complaints lodged		
Monitoring and reporting	➤ Monthly inspections of site to be undertaken ➤ Corrective actions taken to be recorded in a Corrective Actions Report	Farmer	Throughout operation Throughout operation
Corrective Action	➤ Appropriate corrective measures to be instituted to ensure future compliance	Farmer	Throughout operation
<b>ISSUE PEOPLE/VISITOR MANAGEMENT</b>			
Objective	To minimise the potential for environmental impact caused by visitors		
		Responsibility	Timing
Actions	➤ Set out rules for visitor's conduct and ensure all visitors are provided with copies and for them to sign acceptance of the protocol.	Farmer	Throughout operation
Performance Indicators	➤ No apparent conflict situations ➤ No complaints lodged		
Monitoring and reporting	➤ Complaints to be reported to the Farmer and recorded in the complaints register. ➤ Corrective actions taken to be recorded in a Corrective Actions Report	Farmer	Throughout operation Throughout operation
Corrective Action	➤ Where non-compliance has occurred, a detailed report on the incident and the causes shall be recorded ➤ Appropriate corrective measures to be instituted to ensure future compliance ➤ Legal action taken against non-complying visitors	Farmer	Throughout operation Throughout operation Throughout operation
<b>ISSUE TRAFFIC MANAGEMENT</b>			
Objective	To minimise the potential for environmental impact caused by traffic within the Farm, and traffic travelling to and from the farm including delivery vehicles		
		Responsibility	Timing
Actions	➤ Install and maintain traffic signs indicating traffic flow routes, designated	Farmer	Throughout operation

	parking areas etc		
Performance Indicators	No complaints lodged		
Monitoring and reporting	➤ Corrective actions taken to be recorded in a Corrective Actions Report	Farmer	Throughout operation
Corrective Action	➤ Where non-compliance has occurred, a detailed report on the incident and the causes shall be recorded	Farmer	Throughout operation
	➤ Appropriate corrective measures to be instituted to ensure future compliance		Throughout operation
	➤ Relevant authorities to be informed where necessary		Throughout operation
<b>ISSUE ENERGY SAVING</b>			
Objective	To apply energy saving measures where possible and encourage the minimisation of energy waste		
		Responsibility	Timing
Actions	➤ Ensure that all Farm facilities are fitted with energy saving fittings and light bulbs	Farmer	Throughout operation
	➤ Monitor the unnecessary operation of lighting, air conditioning and heating appliances		Throughout operation
Performance Indicators	➤ Achievement of below average energy consumption per unit ➤ No complaints lodged		
Monitoring and reporting	➤ Ongoing monitoring of energy usage to be undertaken	Farmer	Throughout operation
	➤ Complaints to be reported to the Farmer and recorded in the complaints register.		Throughout operation
	➤ Corrective actions taken to be recorded in a Corrective Actions Report		Throughout operation
Corrective Action	➤ Where non-compliance has occurred, a detailed report on the incident and the causes shall be recorded	Farmer	Throughout operation
	➤ Appropriate corrective measures to be instituted to ensure future compliance		Throughout operation
<b>ISSUE LIGHT POLLUTION</b>			
Objective	To minimise the potential for environmental impact caused by light		

pollution		Responsibility	Timing
Actions	➤ Install appropriately designed lighting	Farmer	Throughout operation
Performance Indicators	No complaints lodged		
Monitoring and reporting	➤ Installation of lighting within the farm and around the Farm facilities to be monitored for compliance	Farmer	Throughout operation
	➤ Complaints to be reported to the Farmer and recorded in the complaints register.		Throughout operation
	➤ Corrective Actions taken to be recorded in a Corrective Actions Report		Throughout operation
Corrective Action	➤ Appropriate corrective measures to be instituted to ensure future compliance	Farmer	Throughout operation

## 5. SUPPORTING DOCUMENTS

1. Record of Decision
2. Construction Phase Environmental Management Plan
3. Operational Phase Environmental Management Plan
4. Water Quality Guidelines and Monitoring Requirements