

Adelaide Hills Wine Region

EMS Journey

Presented by Larry Jacobs

“The Adelaide Hills ... one of the most beautiful wine regions in the world”

Motivation

The Adelaide Hills is the main watershed for the city of Adelaide.

Motivation

The Adelaide Hills Wine Region Committee represents the 250+ grape growers and producers in the Hills.

Motivation

Needed to develop a user friendly system to encourage as many participants as possible.

Ecomapping

- Selected as part of the tool kit
- Simple
 - Direct
 - Can handle general and complex issues
 - Can be upgraded to ISO 14001

Executive Committee to regularly sponsor EMS courses for its members.

Objectives and targets to be met	Responsible person	Start date	Status
4.1.1.1. Reduce water consumption	John Smith	1/1/2008	On-going
4.1.1.2. Reduce energy consumption	John Smith	1/1/2008	On-going
4.1.1.3. Reduce greenhouse gas emissions	John Smith	1/1/2008	On-going
4.1.1.4. Reduce waste	John Smith	1/1/2008	On-going
4.1.1.5. Reduce noise	John Smith	1/1/2008	On-going
4.1.1.6. Reduce air pollution	John Smith	1/1/2008	On-going
4.1.1.7. Reduce soil erosion	John Smith	1/1/2008	On-going
4.1.1.8. Reduce water pollution	John Smith	1/1/2008	On-going
4.1.1.9. Reduce environmental impact	John Smith	1/1/2008	On-going
4.1.1.10. Reduce environmental impact	John Smith	1/1/2008	On-going

Adelaide Hills 10 page EMS

1. Urban view
2. Water
3. Energy
4. Soil
5. Wastes
6. Air, noise and odours
7. Risks
8. Weather Page
9. Materials Flow Chart
10. Eco-logbook

Soil Page Example (HHW)

Soil Page Example (HHW)

Objectives and impacts:
 Management for grape production - spraying, weed control, irrigation, other heavy machinery with herbicides will destroy the life forces in the soil and lead to compaction and loss of soil structure. The use of chemicals to control vineyard diseases will contaminate the soil. Heavy machinery leads to soil compaction. Irrigation can lead to compaction, erosion, salinity.

Soil Page Example (HHW)

Legislation:
 Land Care Act 1989
 Environment Act 1993

Soil Page Example (HHW)

4.3.1. Indicators, data and measures
 Spray diary / chemical use diary / number & amount of chemicals used
 Irrigation diary
 Soil analyses

Soil Page Example (HHW)

4.3.3. Objectives and targets for the year
 To reduce the number of chemical used on land
 To reduce the possibility of soil compaction
 To reduce the amount of irrigation (see page 2)
 Assess soil health + copper levels
 Change farm to biodynamic operation by 2010

Soil Page Example (HHW)



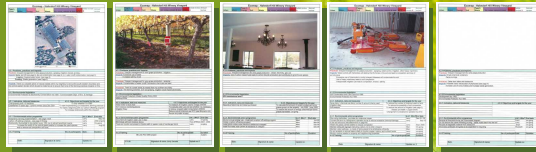
Environmental action programme	4.4.1. Who?	End date
Using herbicides - purchase an undervine mower	Larry	Dec 08 / 09
Convert the farm to a biodynamic operation so as to reduce excessive chemical damage	Larry	Sep-10
Improve soil structure (see attachment on page 4)	Larry	Sept. 2008
Plant in the grassy central swathe to reduce compaction	Marc	On-going
Obtain adequate signage instructing visitors not to enter vineyard	Marc	On-going
Obtain visitor pathway - is made of stone gravel to be phytotoxic unfriendly	Larry	On-going
Soil analysis on annual basis initially to monitor copper, sulphur and nutrient levels	Larry	On-going
Monitor for noxious weeds on property and neighbouring properties	Larry	On-going

Soil Page Example (HHW)



4.4.2 Training	No of participant	Date	Duration
Biodynamic courses			
Date	Signature & name:	Update no: 2	

Adelaide Hills 10 page EMS



1. Urban view 2. Water 3. Energy 4. Soil 5. Wastes



6. Air, noise and odours 7. Risks 8. Weather Page 9. Materials Flow Chart 10. Eco-logbook