

REPORT TITLE: Consent Renewal Application and Assessr

Effects

OPERATION: Silver Fern Farms - Pareora

DATE: 30 January 2020

PREPARED BY: Group Environmental



AEE Primary Cont	act:
Silver Fern Farms	– Group Environmental
Phone:	03 477 3980
Email:	Alison.Johnstone@silverfernfarms.co.nz
Contact Person:	Group Environmental Manager

APPLICATION Prin	mary Contact:
Silver Fern Farms	(Pareora)
Phone:	03 612 6819
Email:	Rob.Lindsay@silverfernfarms.co.nz
Contact Person:	Silver Fern Farms Pareora Plant Manager

ADDRESS FOR SERVICE:	
Silver Fern Farms (Attention: Group Environmental)	
PO Box 941	
DUNEDIN 9054	

CONTENTS

Appendix 1 – Lowe Environmental Impact ('LEI')	3
Pareora Meat Processing Plant Land Discharge	3
Appendix 2 – Pattle Delamore Partners ('PDP)	4
Assessment of Groundwater and Surface Water Quality Effects from Wastewate Irrigation at Silver Fern Farms	
Appendix 3 – Andrew Craig Landscape Architect Ltd ('Craig')	5
Photographs	5
Landscape Advice – Visual Effects	5
Appendix 4 – Pattle Delamore Partners - PDP	6
Summary Report on Preferred Wastewater Treatment Option Selection	6
Appendix 5 – Brown, Copeland and Co. Ltd ('Copeland')	7
Assessment of Economic Benefits	
Appendix 6 – Cawthron Institute ('Cawthron')	8
Silver Fern Farms Pareora Outfall: Mixing Zone Sea Water Quality (2016)	8
Coastal Water Quality and Mixing Zone Studies (2010)	
Appendix 7 – Rob Greenaway and Associates ('Greenaway')	9
Silver Fern Farms Pareora Outfall Recreation Effects Assessment	
Appendix 8 – National Institute of Water and Atmospheric Research ('NIWA')	. 10
Water Quality Data Review and Assessment of Effects on the Marine Environme of Meat Processing Wastewater (2016)	
PPCS Ltd's Pareora Ocean Discharge: Section 41 Request for Additional Information (2005)	. 10
The Effects of the Canterbury Frozen Meat Company Ltd Pareora Works Waste Discharge on the Local Marine Environment – Survey II (1992)	. 10
 Survey to Evaluate the Effects of the Canterbury Frozen Meat Company Ltd Pareora Works Waste Discharge on the Local Marine Environment (DSIR 1991) 	. 10
Appendix 9 – Drone Aerial Photo's : August to October 2016	. 11
Appendix 10 – Infiltration Trench Trial 2012	. 12
Appendix 11 – Coastal Management Plan	. 13
Appendix 12 – Integrated Land Management Plan	. 14
Appendix 13 – Further Information 2005	. 15
Appendix 14 – Pareora Complaints Register	. 16
Appendix 15 – RMA S92 Further Information Request – April 2017	. 17
Appendix 16 – Silver Fern Farms S92 Request Response – Nov 2017	. 18
Appendix 17 – Cultural Impact Assessment – AEC Ltd (Nov 2019)	19

Appendix 1 – Lowe Environmental Impact ('LEI')

• Pareora Meat Processing Plant Land Discharge

Appendix 2 – Pattle Delamore Partners ('PDP)

• Assessment of Groundwater and Surface Water Quality Effects from Wastewater Irrigation at Silver Fern Farms

Appendix 3 – Andrew Craig Landscape Architect Ltd ('Craig')

- Photographs
- Landscape Advice Visual Effects

Appendix 4 - Pattle Delamore Partners - PDP

Summary Report on Preferred Wastewater Treatment Option
 Selection

Appendix 5 – Brown, Copeland and Co. Ltd ('Copeland')

• Assessment of Economic Benefits

Appendix 6 – Cawthron Institute ('Cawthron')

- Silver Fern Farms Pareora Outfall: Mixing Zone Sea Water Quality (2016)
- Coastal Water Quality and Mixing Zone Studies (2010)

Appendix 7 – Rob Greenaway and Associates ('Greenaway')

• Silver Fern Farms Pareora Outfall Recreation Effects Assessment

Appendix 8 – National Institute of Water and Atmospheric Research ('NIWA')

- Water Quality Data Review and Assessment of Effects on the Marine Environment of Meat Processing Wastewater (2016)
- PPCS Ltd's Pareora Ocean Discharge: Section 41 Request for Additional Information (2005)
- The Effects of the Canterbury Frozen Meat Company Ltd Pareora Works Waste Discharge on the Local Marine Environment – Survey II (1992)
- Survey to Evaluate the Effects of the Canterbury Frozen Meat Company Ltd Pareora Works Waste Discharge on the Local Marine Environment (DSIR 1991)
- NIWA Cawthron conjoint statement on effects on the receiving environment post upgrade 30 January 2020.

Appendix 9 – Drone Aerial Photo's: August to October 2016

Appendix 10 – Infiltration Trench Trial 2012

Appendix 11 - Coastal Management Plan

Appendix 12 – Integrated Land Management Plan

Appendix 13 – Further Information 2005

Appendix 14 – Pareora Complaints Register



Appendix 16 – Silver Fern Farms S92 Request Response – Nov 2017

Appendix 17 – Cultural Impact Assessment – AEC Ltd (Nov 201
