

---

# New Zealand Land Treatment Collective Conference Programme

---

## Wednesday — 17 March 2010

---

<b>08:30 onwards</b>	<b>Mary-Anne Gloyne</b> <i>Scion Research</i>	Registration
<b>9:45</b>	<b>Sandy Ormiston</b> <i>(Chair of NZLTC)</i>	Welcome
<b>10:00</b>	<b>Moderator:</b> <b>Hamish Lowe</b>	<b>SESSION: Keynote speech</b>
<b>10:00</b>	<b>1. Selva Selvarajah</b> <i>Otago Regional Council</i> <ul style="list-style-type: none"> <li>• Farm dairy effluent discharge regulation in the Otago Region</li> </ul>	
	<b>2. Dave Houlbrooke</b> <i>AgResearch</i> <ul style="list-style-type: none"> <li>• Development of best management practice for land application of farm dairy effluent and the matching of management practice to soil and landscape features</li> </ul>	
	<b>3. Matt Harcombe</b> <i>Federated Farmers</i> <ul style="list-style-type: none"> <li>• Where policy meets practice</li> </ul>	
<b>10:50</b>	<b>Hamish Lowe</b>	Introducing the Land Treatment Collective Strategic Plan
<b>11:00</b>	<b>Morning Tea</b>	
<b>11:20</b>	<b>Moderator:</b> <b>Dave Houlbrooke</b>	<b>SESSION: Farm Dairy Effluent</b>
11:20	<b>Dave Horne</b> <i>Massey University</i>	Sustainable systems for land treatment of Farm Dairy Effluent: Tools for system design: <b>Part 1</b>
11:40	<b>James Hanly</b> <i>Massey University</i>	Sustainable systems for land treatment of FDE: Tools for system design: <b>Part 2</b>
12:00	<b>Steve Couper</b> <i>AWT</i>	Farm dairy effluent treatment
12:20	<b>Mark Hely</b> <i>Mono NZ Ltd</i>	Dairy effluent pumps
<b>12:40 – 13:30</b>	<b>Lunch</b>	
<b>13:00</b>	<b>Poster session</b>	
	<b>Authors</b>	<b>Poster Title</b>
	<b>Tom Orchiston</b> <i>AgResearch</i>	Managing effluents, slurries and solids on dairy farms
	<b>Gina Lucci</b> <i>AgResearch/Lincoln University</i>	Sources of phosphorus and sediment transfer from soil under dairying
<b>13:30</b>	<b>Moderator:</b> <b>Selva Selvarajah</b>	<b>SESSION: Farm dairy effluent</b>

13:30	<b>Joseph Powers</b> <i>Aqualinc Research Ltd</i>	Farm Dairy effluent design code and standards
13:50	<b>Richard Muirhead</b> <i>AgResearch</i>	Risk assessment of farm dairy effluent irrigation systems: Faecal indicator organisms
14:10	<b>Jiafa Luo</b> <i>AgResearch</i>	Livestock wintering systems and associated manure management
14:30	<b>Hamish Lowe</b> <i>CPG New Zealand</i>	Environmental monitoring in the Dairy industry
<b>14:50</b>	<b>Afternoon Tea</b>	
<b>15:20</b>	<b>Moderator:</b> <b>Rob Lieffering</b>	<b>SESSION: Biosolids</b>
15:20	<b>Tom Speir</b> <i>ESR Ltd</i>	New Directions for New Zealand Biosolids Research
15:50	<b>Hailong Wang</b> <i>Scion Research</i>	Effects of biosolids application on the environment and pine plantation profitability
16:10	<b>Gerty Geilen</b> <i>Scion Research</i>	Wet air oxidation of municipal biosolids as waste minimization
16:30	<b>Iris Tscharntke</b> <i>Manukau Water Ltd</i>	Review of the "Guidelines for the safe application of Biosolids to land in New Zealand"
17:00	Sandy Ormiston, Marie Heaphy and Mary-Anne Gloyne	<b>NZLTC AGM</b>
18:00		<b>AGM ends</b>
<b>1900</b>		<b>The Customhouse. Cash bar. Own transport</b>
<b>2000</b>		<b>Customhouse Barb-b-que.</b>

---

## Thursday — 18 March 2010

---

<b>09:00</b>	<b>Moderator:</b> <b>Hailong Wang</b>	<b>SESSION: Onsite wastewater and natural systems</b>
09:00	<b>Ian Gunn</b> <i>OSET National Testing Programme</i>	OSET Trials
09:20	<b>Sandy Ormiston</b> <i>Ormiston Assoc. Ltd</i>	On-site wastewater system management - have we got it right?
09:40	<b>Craig Rall</b> <i>Devan Group</i>	Trials ,Tribulations and Successes in Septic tank design
10:00	<b>Clive Rowe</b> <i>Pattle Delamore Ltd</i>	Zero Discharge of Great Barrier Campground Greywater
<b>10.20</b>	<b>Morning Tea</b>	
<b>10.50</b>	<b>Moderator:</b> <b>Sandy Ormiston</b>	<b>SESSION: Onsite wastewater and natural systems</b>
10:50	<b>Nikki Johnstone</b> <i>Hynds Environmental</i>	Tahuna Township - challenges of treating and discharging wastewater to the local environment
11:10	<b>Chris Edmonds</b> <i>UMNZ</i>	Running a Decentralised MBR Wastewater Treatment Plant
11:30	<b>Karen Sky</b> <i>Pattle Delamore Ltd</i>	Oamaru Bay, Coastal Land Disposal - a restrospective
11.50	<b>Ian Gunn</b> <i>On-site NewZ</i>	On-site effluent disposal from domestic sources in rural areas - the next leaky homes problem?
<b>12:10</b>	<b>Lunch</b>	
<b>13:00</b>	<b>Moderator:</b> <b>Matt Harcombe</b>	<b>SESSION: Onsite/resource consent/ land treatment of effluent</b>
13:00	<b>Bill Watt</b> <i>Invercargill City Council/MWH</i>	Managing on-site wastewater in low permeability soils: Invercargill City's Knowledge-based approach
13:20	<b>Victor Mthamo</b> <i>CPG New Zealand</i>	The importance of the Consent Application process in ensuring appropriate consent conditions for the Activity
13:50	<b>Katie Beecroft</b> <i>CPG New Zealand</i>	Land Treatment of Municipal Effluent on Erosion Prone Slopes
14.10	<b>Sarah McDonald/Glen Treweek</b> <i>AWT/Waikato University</i>	View Rd Land Application Scheme Nitrogen Leaching from Effluent Irrigated to Pasture - Trial update

---

<b>14:30</b>	<b>Afternoon Tea</b>	
<b>15:00</b>	<b>Moderator:</b> <b>Alison Lowe</b>	<b>SESSION: Land treatment of effluent</b>
15:00	<b>Gillian Bullock</b> <i>MWH NZ Ltd</i>	Disposing of Primary Treated Wastewater through drip irrigation
15:20	<b>Ian Nicholas</b> <i>Scion Research</i>	Effluent under hardwoods
15:40	<b>Ben Asquith</b> <i>BMT WBM Pty Ltd</i>	Land Treatment of Winery Wastewater: Makin' Hay
16.00	<b>Phillip Geary</b> <i>University of Newcastle, Australia</i>	Distinguishing wastewater contaminant sources in the environment
18:30	Otago Museum	Coaches depart for Larnach Castle
<b>19:00</b>	<b>Larnach Castle</b>	<b>Pre-dinner drinks and optional Castle tour (Castle tour \$15 per person – pay on arrival).</b>
<b>22:30</b>		<b>First coach returns to Dunedin</b>
<b>23.30</b>		<b>Second coach returns to Dunedin</b>

## Friday — 19 March 2010 Field Tour

---

07:50a.m.	Meet coaches in front of the Otago Museum	Depart at 08:00 sharp.
08:15-09.15	Otago Regional Council chambers	DOC presentation: Managing Human wastes at Popular Coastal Conservation sites. <b>Morning tea at ORC chambers.</b>
11:00-11:45	Kaka Point	Kaka Point Sewage Treatment Plant: BioFiltro system
12:15-13.00	Telford Polytech for Lunch	Zac Haderbade: Telford Farm Manager will give a talk during lunch outlining effluent management on Telford Farm.
13.00-14.00	Telford Farm	View the weeping wall effluent collection pond and k-line irrigation systems
14.15-15.15	Korteweg Farm	Visit Herdhomes. Overview of farm nutrient management
1600-16.30	Dunedin Airpot Airport	<b>Airport drop - off</b> <b>Flights: Air NZ</b> 16:50 to Whakatane 17:20 to Christchurch 17:20 to Palmerston North 18:00 to Wellington 19:00 to Auckland 20:50 to Christchurch
17:00	Otago Museum	Coaches arrive back in Dunedin

**Note: There will be toilets available at ORC, Kaka Point, Telford Polytech and Dunedin Airport.**

---