

Title: _____ First Name: _____

Surname: _____

Please check your Membership Status:
Are you a Water New Zealand Member? Yes No

Preferred Name (for delegate badge)

Organisation: _____

Postal Address: _____

City: _____ Phone: _____

Fax: _____ Mobile: _____

Email: _____

Special Requirements (Dietary or otherwise):

The Privacy Act 1993 requires that, before your name and address details can be published in the list of delegates, either for distribution to fellow delegates or any other party, you must give your consent. If you **DO NOT** wish your name and details to be included in the list of delegates, please tick the box.

Your Registration fee includes:
All transport, accommodation, morning and afternoon teas, snacks, lunches and dinners **during** the tour*

- Please register me as a:
- Water New Zealand **Member** \$1100 + GST
- Water New Zealand **Non-Member**: \$1275 + GST

Substitutions and Cancellations: If you are unable to attend, a substitute delegate will be welcome. Please note that all cancellations and substitutions must be made in writing. For cancellations received after 23 February 2010, a cancellation fee may apply.

- Payment:**
- I enclose a cheque made payable to Water New Zealand
- I wish to pay on invoice (Order # _____)
- I wish to pay by Credit card:
- VISA Mastercard Expiry Date: _____

Name of Cardholder: _____

Signature: _____

Card Number: _____

Subtotal \$ _____ 12.5% GST \$ _____

TOTAL \$ _____ **Fax: 04 472 8926**

NB: Registrations close and payment is required IN **FULL** no later than: **MONDAY MARCH 1st, 2010**

All Enquiries: Tour Administrator: sue.bull@waternz.org.nz
or 04 4950892



Water New Zealand acknowledges Intro Tour **Premier Sponsor Applied Instrument Group** and Aqua Environmental, with its sponsorship of the Welcome and Orientation Session.



*Please note that you are responsible for your own transportation to and from the start and finish points of the tour (ie to Wellington and from Napier).

*INTRO TOUR PROGRAMME **

Day One: Tuesday March 9, 2010	
8.45am	Welcome and Orientation Session: Regency Room, Mercure Hotel, 345 The Terrace. This session includes a meet-and-greet, Q & A; morning tea and hot drinks. You will receive your Tour Handbook at the Welcome Session.
9.30am	Bus departs
10.10am	Bus arrives Te Marua Water Treatment Plant (Pumping station and storage lakes). Built between 1980 and 1987 to treat water taken from the Hutt River at Kaitoke, the plant has a design capacity of 140 million litres daily. Video, followed by tour.
11.40am	Bus departs for Palliser Winery, Martinborough
12.20pm	Bus arrives Palliser Winery. Original winery built in time for 1991 vintage. Certified to the international environmental standard ISO 14001, and a member of the <u>Sustainable Winegrowing</u> scheme. Tour of Winery, followed by wine tasting and lunch.
2.00pm	Bus departs for Moutoa Floodgates
3.00pm	Afternoon tea en-route
4.00pm	Bus arrives for tour of Moutoa Floodgates. Completed in 1962, the Moutoa Sluice Gates and Floodway are recognised as one of New Zealand's outstanding engineering projects of the 20th century, and serve as a lynchpin of the vast and growing network of drains, stop banks and floodgates that comprise the Lower Manawatu Scheme.
4.45pm	Bus departs for Palmerston North. Snacks on-board
5.20pm	Bus arrives Palmerston North. Overnight accommodation: Hotel Coachman.
6.30pm	Dinner at the Hotel's La Patio Café and Bar.
	Evening free

	<i>Day Two: Wednesday March 10, 2010</i>
8.00am	Buffet Breakfast: Hotel Coachman
9.00am	Depart hotel for Turitea Water Treatment Plant
9.15am	Arrive Turitea Water Treatment Plant: Full conventional alum-flocculation, rapid gravity dual media (pumice and sand) filtration plant.
10.45	Morning Tea at Turitea
11.10am	Depart Turitea for Totara Road Waste Treatment Plant.
11.30am	Arrive Totara Road Waste Water Treatment Plant. Conventional primary treatment plant with aerated lagoons and biological secondary treatment. New tertiary treatment plant for chemical phosphorus precipitation with UV treatment and artificial wetland outfall.
12.30pm	BBQ Lunch at Totara Road
1.30pm	Depart Totara Road for Awapuni Sustainable Development Centre. Brief about the site, including history of what the Palmerston North City Council wanted to achieve. Tour of the Landfill Gas to Electricity Project. An internationally recognized operation which harnesses harmful methane gas to power its nearby wastewater treatment plant and offers surplus energy to the national grid.
2.30pm	Depart Awapuni Sustainable Development Centre for Ashhurst Wind Farm, with stops at the ground water bore station (artisan bore with on-site sodium hypochlorite generation), and the Ashhurst Filter Station.
3.30pm	Depart Ashhurst Wind Farm for Kaimanawa Distribution Centre
3.50pm	Arrive Kaimanawa Distribution Centre. Brand new recycling and baling consolidation plant. Partially automated, using state of the art energy saving technology.
	Afternoon Tea at KDC
4.45pm	Depart Kaimanawa Distribution Centre for Palmerston North
5.00pm	Bus arrives Palmerston North. Overnight accommodation: Hotel Coachman.
6.30pm	Dinner at the Hotel's La Patio Café and Bar.
	Evening free

	<i>Day Three: Thursday March 11, 2010</i>
8.00am	Buffet Breakfast: Hotel Coachman
9.00am	Depart hotel for Massey University
9.15am	Arrive Massey University #4 Dairy Farm. This tour will cover three research projects that are currently being undertaken: "Best practice management of dairy farm effluent", "Remote sensing to assess travelling effluent-irrigator performance", and "Using time-limited grazing of Dairy Cows to reduce Nitrate Leaching to New Zealand waterways"
10.30am	Depart #4 Dairy Farm for the INR (see below)
10.35	Morning tea – catered at the Institute of Natural Resources (INR) (Ag/Hort building)
11.00am	Depart #4 Dairy Farm for Massey University Centre for Massey University Centre for Environmental Technology and Engineering
11.15	Arrive Massey University Centre for Environmental Technology and Engineering. Overview of waste water treatment research being conducted by staff and post-graduate students, followed by a tour of the lab.
12.15	Department CETE for Tui Brewery
1.00pm	Arrive Tui Brewery for Lunch
2.00pm	Depart Tui Brewery for Fonterra, Pahiatua
2.10pm	Arrive Fonterra, Pahiatua. Tour of Waste Water Treatment Plant; and view of irrigation of effluent onto surrounding farmland.
3.10pm	Depart Fonterra Pahiatua for Dairy Farm of Keith and Kim Riley, Woodville.
3.30pm	Arrive Dairy Farm of Keith and Kim Riley. 700 cow dairy farm at the flood prone eastern entrance to the Manawatu Gorge. Tour will include viewing of work done to mitigate river bank erosion, and their dairy shed effluent storage and processing facility.
3.30pm	Afternoon tea and tour of property
5.00pm	Depart Woodville for Napier
6.30pm	Bus arrives Napier. Overnight accommodation: Anchorage Motor Inn
7.30pm	Dinner TBA
	Evening Free

	<i>Day Four: Friday March 12, 2010</i>
8.00am	Buffett Breakfast at Quayside Restaurant
9.00am	Depart Anchorage Motor Inn for Hastings Waste Water Treatment Plant.
9.20am	Arrive HWWTP. Brand new facility. Handles domestic waste stream, and fine screen direct to biological trickling filters.
10.30am	Morning tea - onsite
11.00am	Depart Hastings HWWTP for Napier Sewage Treatment Station
11.10am	Arrive NSTS: Tour includes viewing the existing milliscreen building and groundworks for proposed upgrade. Inspection of Biological Trickling Filter Pilot Plant and results discussion.
12.10pm	Depart Pilot Plant for Lunch
12.30pm	Lunch (including wine and fudge tasting) at Park Estate Winery
2.00pm	Depart Lunch for Napier City/Airport
3.00pm	End of Tour. Drop-off in Napier CBD or Airport.

- Subject to change