



Environmental Policy

Introduction

Mayfield Hinds Irrigation Limited (MHIL) is an irrigation water supply company, delivering water for use in irrigation and on occasion stock water. MHIL has a strong commitment to sustainable water use and minimising undesirable effects of water use on the environment.

Policy

In order to respond quickly and proactively to various and changing environmental expectations and to install confidence in our shareholders and the community, MHIL is committed to working towards:

Environment

- ❑ Avoiding or minimising all adverse environmental effects which our operations may cause.
- ❑ Endeavouring to meet (or improve on) acceptable environmental standards and honouring legal obligations.
- ❑ Using and operating the natural physical resources under our control in an efficient and environmentally appropriate manner.

Management

- ❑ Implementing and reviewing effective management systems that result in sound environmental performance.
- ❑ Implement and maintain a written manual for operational procedures for the delivery of irrigation flows to irrigators for each raceman's area.
- ❑ Creatively using current and new technology to continuously improve our environmental performance.

Education

- ❑ Promoting environmental awareness with shareholders, staff and contractors to ensure that they are willing and able to participate in managing environmental issues.
- ❑ Operating a website for shareholder and public access, demonstrating MHIL operational procedures, providing climatic and river flow information to assist farmers in better irrigation decision making.

By adopting and requiring adherence to the above policies MHIL is seeking to promote both continuing environmental awareness and enhanced environmental performance.

Environmental objectives, targets and performance

Time frame: four years (September 2014)		
Objective	Measure	Performance
Have no pollution	<ul style="list-style-type: none"> <input type="checkbox"/> Prevent contamination of scheme races by on farm irrigation practices <input type="checkbox"/> Reduce waste-water discharging from schemes. <input type="checkbox"/> Reduce storm-water inflows into scheme races. <input type="checkbox"/> Reduce potential for agrichemical contamination. <input type="checkbox"/> Limit in-scheme agrichemical use to those chemicals approved for use around water. <input type="checkbox"/> Prevent contamination of scheme races by on farm practices 	<ul style="list-style-type: none"> <input type="checkbox"/> Limit spray irrigators from taking directly from distributor races. <input type="checkbox"/> Irrigation systems may not apply water from an effluent source within 20m of a scheme race. <input type="checkbox"/> Consider and mitigate risks of backflow contamination. <input type="checkbox"/> At all times schemes have ability to retain (after periods of high rainfall) water for a minimum period of 6-8 hours <input type="checkbox"/> Develop an agreement with Ashburton District Council on storm-water containment. <input type="checkbox"/> Limit water abstraction by Agrichemical contractors by only allowing those who enter into an individual agreements outlining rules for use with the scheme(s) <input type="checkbox"/> Use registered chemical applicators for all application around in-scheme waterways. <input type="checkbox"/> Maintain a chemical application spray log detailing, chemical used, quantity, area sprayed and conditions at time of spraying. <input type="checkbox"/> Easement races to be grazed and kept tidy but not to be used as feedpads or stock concentration areas. <input type="checkbox"/> Bridges and approaches to be designed and maintained to channel away any contamination from scheme races.
Prevent Flooding	<ul style="list-style-type: none"> <input type="checkbox"/> Identify potential in-scheme flooding hazards. <input type="checkbox"/> Operate within scheme limits <input type="checkbox"/> Implement an emergency management plan/strategy. <input type="checkbox"/> No spray irrigation to land on roads. 	<ul style="list-style-type: none"> <input type="checkbox"/> Ensure that all significant in-scheme structures can pass design flows. <input type="checkbox"/> Understand design capacity and operate within these limits. <input type="checkbox"/> Maintain and update as required emergency management plan/strategy. <input type="checkbox"/> Communicate with irrigators. Record and penalize for non- compliance.

	<ul style="list-style-type: none"> <input type="checkbox"/> Implement an asset management plan for each raceman 	<ul style="list-style-type: none"> <input type="checkbox"/> Maintain and update annually in-scheme asset management plan <input type="checkbox"/> Any farmer owned structures affecting races to be properly maintained by the farmer e.g. daily cleaning of turbine grilles. <input type="checkbox"/> Develop policy and procedures for addressing problematic flooding by shareholder. <input type="checkbox"/> Develop and implement a silt removal strategy.
Manage environmental issues in a responsible manner	<ul style="list-style-type: none"> <input type="checkbox"/> Limit fish loss. <input type="checkbox"/> Environment incident reporting. 	<ul style="list-style-type: none"> <input type="checkbox"/> Develop a fish recovery agreement with Fish and Game to recover fish lost to the system at the end of each season. <input type="checkbox"/> Each month, the Scheme Manager reports to the Board of Directors on environmental performance. The report to include details of: <ul style="list-style-type: none"> <input type="checkbox"/> Non-compliance with legislation or the environmental authority. <input type="checkbox"/> Incidents and actions. <input type="checkbox"/> Results of audits and progress on actions. <input type="checkbox"/> Environmental complaints. <input type="checkbox"/> Significant activities of an environmental nature. <input type="checkbox"/> The Annual Report to shareholders will report on environmental compliance.
Improving water use efficiency	<ul style="list-style-type: none"> <input type="checkbox"/> Use of new technology. <input type="checkbox"/> Improving distribution networks. <input type="checkbox"/> Improved control of water. 	<ul style="list-style-type: none"> <input type="checkbox"/> Introduction of automatic control systems/computerized management systems. <input type="checkbox"/> Introduction of flow measurement devices. <input type="checkbox"/> Introduction of soil moisture and plant water use sensing systems on farms. <input type="checkbox"/> Investigate and commence development of pressure piping, storage and race lining programmes. <input type="checkbox"/> Regular flow measurement. <input type="checkbox"/> Introduction of telemetry equipment.
Increase the knowledge and awareness of relevant environmental issues.	<ul style="list-style-type: none"> <input type="checkbox"/> Regular stakeholder consultation. 	<ul style="list-style-type: none"> <input type="checkbox"/> Annual or as required meetings with Fish & Game, Territorial & Regional Authorities, contractor's industry representatives etc. <input type="checkbox"/> Information dissemination to shareholders through field days, regular newsletters and the MHIL website. <input type="checkbox"/> Each month, the Scheme Manager reports to the Board of Directors on: <ul style="list-style-type: none"> <input type="checkbox"/> Scheme water usage.

		<ul style="list-style-type: none">▪ Efficiency of delivery.□ The Annual Report to shareholders will report on seasonal water usage.
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Date Approved: 27th July 2010

Next Review Date: 1st August 2012

Vision Statement - To maximise the delivery and security of water to all shareholders