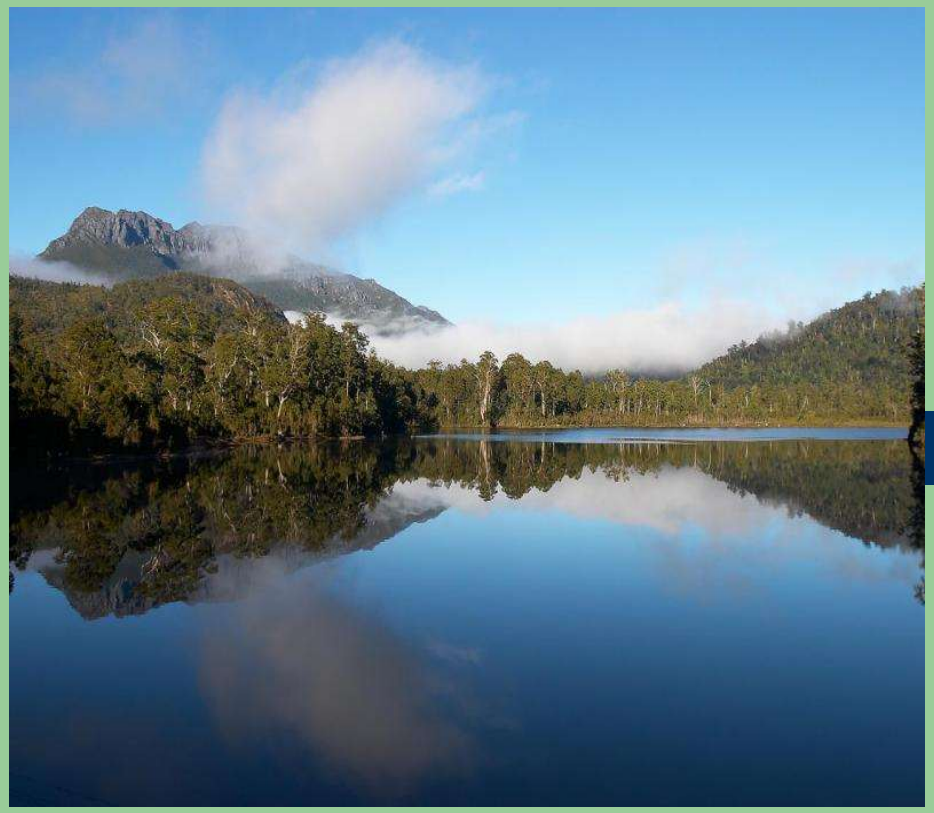
The Great Clean Up



SOME ENVIRONMENTAL OBJECTIVES FOR TRAMWAY MUSEUMS

OUR CONTRIBUTION TO A SUSTAINABLE ENVIRONMENT

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

- Running an electric tramway is quite a clean operation, as long as the related storage, maintenance and site works are managed carefully.
- Steam trams present some challenges, but are manageable
- Horse drawn trams well----------good for the garden

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

THE GREAT CLEAN UP

The objective of this presentation is to encourage tramway operators to achieve smarter:

- Environmental risk management
- Acceptable waste disposal practices
- Recycling practices
- Product stewardship
- Product purchasing

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

There are four key elements you need to consider:

1. Water quality management
2. Waste products management
3. Hazardous materials management
4. Air quality management

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

Water Quality Management

- Storm water
  - Do you have any features or procedures in place to prevent storm water pollution?
  - Have you identified the storm water drains on your site and where they flow to

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

Waste Water

- Do you have a trade waste agreement or consent?
- Have you ever inquired as to whether you need one or not?
- For New Zealand museums your council is reviewing its trade waste by law, expect a visit.

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

Management of Waste Products

- Scrap metal
- Tyres
- Batteries
- Solvents
- Oil

If a collection service operates in your area for these products do you use it. If not, would you be prepared to support such a scheme if established?

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

Management of Waste Products

- Glass
- Paper
- Cardboard
- Plastic
- Other

Have you provided separate recycling bins for the staff and customers to use?

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

Management of Hazardous Materials:

- Coolants
- Fuels
- Paints
- Solvents
- Cleaning material
- Gases
- Other substances
- Do you store your hazardous materials such as coolants, fuels, solvents, paints etc in a dangerous goods facility, and used oil in a bunded, covered area that will not allow any materials to be spilled onto the ground or washed into the storm water drains?

FEDERATION of RAIL ORGANISATIONS of NEW ZEALAND INCORPORATED

The Great Clean Up

Air Quality Management

- Dust
- Fumes
- Paint overspray
- Exhaust fumes
- Do you try to control dust and fumes leaving your premises?

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

Tips And Suggestions

- **Sensible Vehicle Washing**
- Make sure runoff from washing tramway vehicles does not enter the storm water drains, including rivers, streams and street side channels.
- Investigate smarter cleaning methods using less water and dedicated washing facilities.

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

Tips And Suggestions

- Avoid allowing cleaning fluids to run onto the ground where they can soak into the soil.
- Turps cleaning fluid solvents and thinners should be stored in a container up to 20 litres maximum and collected by a professional service.

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

Tips And Suggestions

Emergency Response to Spills

- Have an emergency spill kit available
- Instruct staff in it's use
- Ensure regular maintenance of spill equipment and take changes to activities or buildings into account.

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

Get On With it Now

- There are a number of low cost things you can do right away, like filling an old drum with absorbent material. Also buy a broom and shovel to go with the clean up kit.
- For further information or assistance with your clean up plan, please contact your local council.

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

Tips And Suggestions for NZ

- Your regional and district council is responsible for ensuring environmental standards are met. Council staff are available to assist you with your planning and improvements.
- Most regional, city and district councils publish collection services on their websites

FEDERATION of RAIL ORGANISATIONS of NEW ZEALAND INCORPORATED

Tips and suggestions for Australia

- Consult the yellow pages for listings of hazardous waste collectors and your local council for advice on managing your site.

FEDERATION
of RAIL ORGANISATIONS
of NEW ZEALAND
INCORPORATED

The Great Clean Up

- Finally, consider the condition of the water from your operations site that enters waterways.

WOULD YOU DRINK IT?

- Spare a thought for the creatures that live in it or rely on it for sustenance!






FEDERATION of RAIL ORGANISATIONS of NEW ZEALAND INCORPORATED