



Marley New Zealand Ltd are part of the **Aliaxis Group** of companies which comprises of **65 manufacturing sites, situated in 35 countries with 11,600 employees.** **Aliaxis had a set a target of 50% of the group companies having ISO14001 by the end of 2005 and Marley New Zealand were nominated as one of these companies.**

Aliaxis have required group companies to report on their environmental performance for at least the last 5 years which made the introduction of ISO14001 much easier than it would otherwise have been.

Marley manufacture PVC and PE pipe systems for all plumbing and infrastructure applications as well as being the leading manufacturer of PVC rainwater systems. Marley have been manufacturing plastics products in New Zealand for the last 47 years and are committed to producing quality products that contribute to the environment.

Our Objective: To achieve ISO 14001 registration by 2005

Cost: Project team meetings and documentation costs estimated at 150 hours @ \$40/hr = \$6,000
Audit and registration fees \$5,800

Project Description: Develop an Environmental Management System(EMS) to comply with ISO14001 and obtain registration.

How we implemented the project: A cross functional team was created in February 2003 to develop an EMS that would be ISO14001 compliant. This team generated a timetable based on a number of milestones with a target of achieving ISO14001 status within 18 months. It was also agreed that we should incorporate our EMS with our ISO9001 QMS in order to simplify the system and avoid duplication.

Milestones included:

- Development and approval of Policy
- Identification and documentation of all site activities
- Flow process charts developed for all activities
- Environmental aspects identified and evaluated for impacts
- Impacts ranked
- Gap analysis on all documented procedures with modifications where required
- Company Management Systems Manual reviewed to incorporate EMS
- Objectives set and approved by Executives
- Measurement of all aspects relating to objectives.
- Internal audit of system.
- Preliminary external audit
- Final External audit

Team:

The team members were:

- G Bickerton - Technical
- J Killen - Logistics
- N Donne – Human Resources
- J Wright – Quality Assurance
- D Sims - Engineering
- C Sturt - Manufacturing
- S Waddell - Marketing

Results: ISO 14001 certification was granted in June 2004 in line within the 18 month target.

Key Challenge: Ranking the aspects.



left to right
Joe Killen, Carl Sturt, Geoff Bickerton,
Dave Sims, In front June Wright

The Solution:

The ranking of the environmental impacts is important as the objectives should be based around those aspects that have the greatest impact. We initially adopted a system from the UK but this was very complex and difficult to understand. As the impacts need reviewing over time we felt it was important that the review process be simple so we changed our ranking method to one recommended by our Telarc auditor. What was interesting was that the ranking order stayed the same with this system but it took less time to undertake. We are happy to provide copies of this system to interested companies.

The Future:

Ongoing monitoring of environmental KPIs and taking action when trends are negative to the environment. We also intend to implement ISO14001 in our Christchurch operation.

Best Practice Hints:

Involve all staff and keep them aware of progress.

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Links:

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