

## APPENDIX 2

### ENVIRONMENTAL STRATEGIC VISION

Tasmanian Alkaloids is committed to environmental excellence, instilling high environmental values in all employees, utilising the best environmental practices in all products and processes and contributing to global sustainable development.

### KEY OBJECTIVES

**Prevent or reduce** all environmental impacts of Tasmanian Alkaloids operations, striving for environmental neutrality and resource efficiency consistent with the principles of sustainable development.

**Develop or adapt** the most innovative or the latest proven procedures and technologies and continually exchange advancements among companies for the greatest environmental gain.

**Train** management in the technical and communication competencies of environmental crisis response to achieve perfect execution in the event of an incident.

**Respond** continuously and contribute pro-actively to environmental developments in the public sector, complying with all laws and regulations.

**Maintain** environmental policies and standards that meet or exceed legal requirements and customer expectations, measure progress and apply fully environmental cost accounting.

**Contribute** to the balance of nature through philanthropic and business investments in world environmental health and by maximising compatibility of Tasmanian Alkaloids operations with natural ecological systems.

**Educate** our management, employees, stockholders, customers, suppliers and communities to develop awareness of environmental issues and to foster a worldwide environmental ethic.

**Build** relationships with governments, non-governmental organisations, industry counterparts, academics and communities to engender respect for the environment, cooperation and mutual understanding.

**Demonstrate** continuous quality improvement in pursuit of environmental excellence.

## APPENDIX 3

### ENVIRONMENTAL TARGETS

Healthy Planet 2010 is a set of goals that continues the Tasmanian Alkaloids commitment to the health and well-being of the Earth. This initiative engages every employee, goes beyond what is required by any government, and embraces our responsibilities to the global community.

The Healthy Planet 2010 Goals are a road map for Tasmanian Alkaloids to be one of the most environmentally responsible companies in the world. The goals touch all aspects of our business. Each employee will play a part in meeting our environmental objectives. We will expand our environmental ethic to our supply chain and drive environmental improvement and protection beyond the borders of our facilities.

#### **Objectives and Targets**

*Compliance* – Comply continuously with each requirement of applicable government regulations.

- Zero accidental releases.
- Zero government-issued violations.
- Zero permit exceedances.

*Environmental Literacy* - Increase the environmental literacy of all employees through awareness and understanding of global environmental issues.

- Introduce a literacy program.
- Offer one environmental literacy module annually; at a minimum 80% of employees engaged in literacy training.
- Positive trend in environmental literacy among the Tasmanian Alkaloids population (as measured by surveys such as the credo survey).

*Biodiversity* - Enhance biodiversity in areas over which we have control or influence by engaging employees in conservation activities.

- 100% implementation of written & endorsed biodiversity conservation plans.

*Transparency* - Publicly disclose our environmental sustainability programs and performance.

- Disclose site-specific environmental information to members of the public.

*Product Stewardship* – Ensure new products and / or processes are designed with preferred environmental attributes and that material selection should minimise or eliminate compounds determined to be persistent, bioaccumulative or toxic in the environment.

- R&D develop sustainable processes to proactively prevent the use of high priority materials in products and processes.
- Use DfE tool to continuously improve product and process environmental profiles.

*Packaging* - Increase the amount of paper-based product packaging and office paper derived from certified forests or made from recycled materials.

- Increase the amount of paper-based product packaging and office paper purchased from certified forests (must be labelled as certified) or labelled to have at least 30% post consumer recycled content.

*Carbon Dioxide Reduction* - Reduction in CO<sub>2</sub> emissions from stationary sources according to the World Resources Institute Greenhouse Gas Protocol.

- 7% Absolute Reduction Of CO<sub>2</sub> Emissions from stationary sources compared to a 1990 baseline.
- Implementation of energy best practices.

*Fleet Efficiency* - Increase in fleet fuel efficiency compared to a 2003 baseline

- Improvement in percentage of fleet comprised of fuel efficient vehicles.

*Water Use* - meet absolute reductions in fresh water usage (cubic meters).

- 10% absolute reduction in water use compared to a 2005 baseline.
- Implementation of water conservation best practices.

*Waste* - meet absolute reductions in the amount of hazardous & non-hazardous waste managed off-site.

- 10% absolute reduction in hazardous waste generation compared to a 2005 baseline.

- 10% absolute reduction in non-hazardous waste generation compared to a 2005 baseline.

*External Manufacturers and Suppliers* - influence our supply chain partners to improve their environmental management systems and performance

- 100% verification that all external manufacturers (if any) and key suppliers are in compliance with regulatory requirements.
- 100% of our strategic external manufactures / suppliers are ISO14001 certified or have implemented environmental sustainability programs.