

Example SCEEP Application with Environmental Management Plan

1) Briefly describe your company or facility and the nature of your business. Relevant information includes products or services, general processes used, general description of raw materials used, wastes generated, size and nature of workforce and any environmental considerations particular to your site (e.g., located adjacent to river floodplain, etc.)

Headquartered in Myrtle Beach, S.C., South Carolina Widget Manufacturing (SCWM) employs 27,108 and operates 25 plants in 21 locations. SCWM manufactures and sells widgets throughout the country.

Conway Widget Manufacturing facility (CWM) is located at the intersection of Highways 378 and 501 in Horry County. CWM began production in April 1972. CWM sits on 188 acres of land and has 1.6 million square feet under roof. With 1250 employees, the facility produces 2.9 million widgets annually. CWM's main supplier is the semi finished product plant in Newberry, SC, which supplies metal to CWM.

Conway Widget Manufacturing facility complies with the principles of ISO 14001 and our site's environmental policy. These principles ensure that we are responsible stewards of the land, air and water. CWM's environmental commitment is outlined in Attachment 1. CWM's mission statement is outlined in Attachment 2, and a copy of CWM's ISO 14001 certification is provided as Attachment 3.

CWM's systems meet the widely recognized ISO 9001 standards for quality. In order to achieve higher levels of process control and reliability, we continually analyze and improve manufacturing processes to meet and exceed the expectations of our customers.

2.) A brief description of the company's or facility's compliance record during the past five years, noting such things as number of permit exceedances, major violations, fines (dollar amount), civil penalties, and criminal penalties. Should a notice of violation be cited please provide a "Root Cause Analysis", countermeasures taken and how the violation ultimately affected the environment. Also, included environmental improvements made during the five-year period and any additional steps taken to prevent future noncompliance. Provide a list of operating permits including permit numbers and issuing agencies.

CWM has an excellent compliance history. The widget industry as a whole has taken huge steps to eliminate its negative environmental impacts. As a member of the Widget Manufacturers Association, CWM is doing its part to reduce any negative environmental impact the site may have. CWM has an extensive monitoring and self-auditing process to assure that the site remains in compliance with all applicable regulations.

CWM has experienced 1 permit exceedance in the past five years. A description of the incident is provided below:

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October 2008 – CWM simultaneously ran 4 boilers on #6 fuel oil. CWM is permitted to run 3 boilers on #6 fuel oil in order to make sure that there are no violations of the National Ambient Air Quality Standards (NAAQS). CWM self-reported the violation. Even though running 4 boilers at a time violated our permit conditions, CWM was able to demonstrate through computer air modeling that the NAAQS standards were not violated. Issue was resolved to SCDHEC satisfaction. No fines were assessed .CWM has added an additional step to their boiler start up procedures to prevent this type of an issue from happening again.

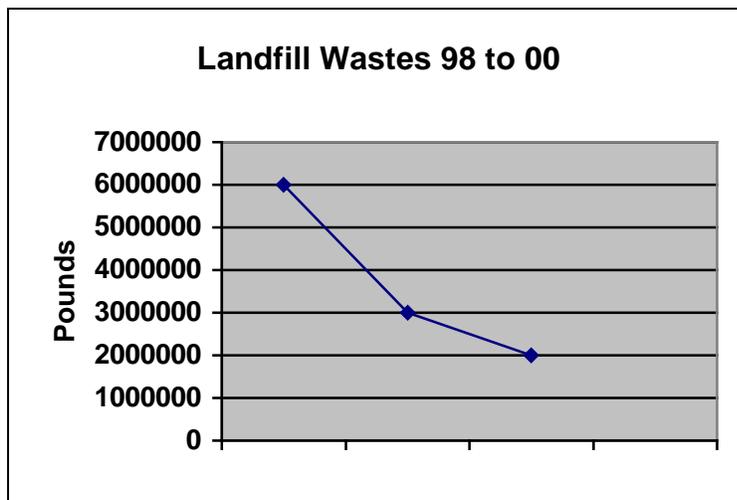
List of Operating Permits:

Permit Number

Hazardous Waste- Large Quantity Generator	EPA ID Number SCD000000000
NPDES Stormwater Permit	SCR00000000000
Title V Air Permit	TV-0000-0000

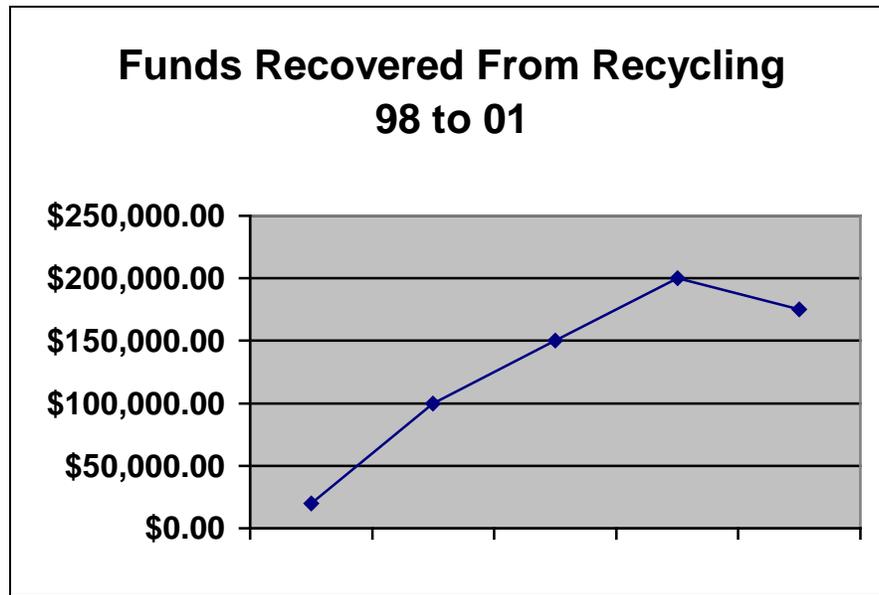
Conway Widget manufacturing location continues to strive to be a good steward of the environment. Some of the site’s environmental accomplishments and programs are listed below:

- Actively recycling plastic, aluminum, cardboard and paper
- 62 % Reductions in landfill waste.



- Participation in the South Carolina Adopt a Highway Program
- Started a scrap metal recycling program. To date have recycled over 20 tons of metals with an overall savings of over \$800,000.

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3.) *Briefly describe any existing site contamination and actions taken to ensure its containment. Describe the required minimum actions remediate.*

NONE.

4.) *A brief description of the organization's or facility's environmental improvements implemented, including goals set to achieve reductions and measurable results of all projects or processes.*

CWM currently recycles 85% of the waste generated at the facility and has a goal to be zero waste to landfill by year 2015. Over the last two years, CWM has implemented several water recycling programs such as mop water recycling that is successfully conserving water and soap while reducing the amount of emulsifiers entering the waterways. Another goal the facility is working to achieve is to decrease water usage by another 5% over the next 3 years. Also, CWM plans to switch all lights to more energy efficient bulbs and fixtures by 2016.

5.) *Proof of commitment to environmental excellence. If membership is applied for under Section A of the Program Requirements, attach documentation from another environmental program as evidence of commitment to environmental excellence. Documentation of registration, certification, or active membership must demonstrate that you are a member in good standing. (Provide enough information about the program so that consistency with the Program Requirements can be determined.)*

Conway Widget Manufacturing facility requests membership under Section A of the South Carolina Environmental Excellence Program. CWM complies with the principles

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of ISO 14001 and our site's environment policy. Currently, annual recertification is required under the ISO 14001 guidelines. CWM's environmental commitment is outlined in Attachment 1. CWM's mission statement is outlined in Attachment 2, and a copy of CWM's Environmental Excellence Plan is provided as Attachment 3.

6.) A brief description of the company's or facility's global warming strategy and measures take to reduce greenhouse gases.

CWM has developed a greenhouse gas (GHG) inventory for 2005 – 2007, and will update this inventory each year going forward. GHG emissions from the facility result from the combustion of natural gas and other fuels in company equipment. CWM also causes indirect GHG emissions as a result of electricity use at the facility. The facility has identified energy usage reduction of 2% as a target and objective for 2008, which will result in the reduction of direct and indirect GHG emissions. CWM will continue to include energy usage reduction in its annual targets and objectives in order to continue to reduce the GHG footprint of the operation.

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ATTACHMENT #1

CWM ENVIRONMENTAL MANAGEMENT COMMITMENT

- **W**ork extremely hard towards improvement of everyday recycling
- **I**nform internally and externally
- **D**isposals at landfills will try to be avoided
- **G**reen is the color we are working our way toward for a better facility
- **E**stablish an annual environmental plan
- **T**ake into account continual improvement and pollution prevention
- **S**tudy and evaluate every emission, discharge and waste

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ATTACHMENT #2

CWM Mission Statement

- To enhance “good neighbor” relationships through active participation in our community.
- To aggressively address unsafe conditions and actively develop safe behavior.
- To maximize the efficiency, effectiveness and flexibility of our manufacturing processes through continual improvement.
- To respond to the businesses needs by involving our people in development opportunities.

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Attachment # 3

Environmental Management Plan

Overview

The Environmental Management Plan is based on the mission, vision, and beliefs of South Carolina Widget Manufacturing. The plan is designed, taught, implemented, measured and assessed, changed and improved to provide a safe, functional, and sustainable environment for our staff and surrounding community.

South Carolina Widget Manufacturing's environmental policy is supported by the company's environmental management system which is the key element of the facilities' efforts to meet or exceed all applicable environmental regulatory requirements as well as our own environmental management standards; pursue pollution prevention and waste reduction; encourage reuse and recycling; conserve natural resources; and, incorporate state of the art environmental practices into our daily operations.

We will accomplish this high standard through integrating environmental management into our business planning and decision making processes and by setting and tracking measurable environmental performance goals and objectives.

Responsibility

The environmental management plan is directed by the Environmental Management Committee which will be appointed by SCWM, will provide leadership, stewardship, executive direction by establishing policies, setting objectives, and routinely reporting on the progress toward goals.

The committee will consist of members from:

1. Administration
2. Safety & Environmental Health
3. Nursing Services
4. Engineering Services
5. Lab
6. Public Safety
7. Information Services
8. Purchasing
9. Marketing
10. Shipping

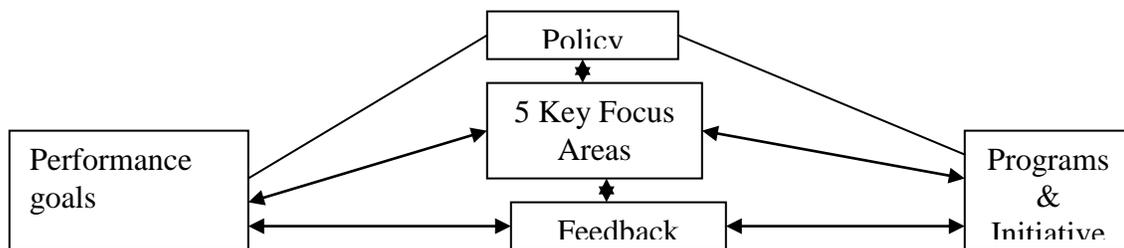
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The Environmental Management Committee meets periodically throughout the year, and reports to South Carolina Widget Manufacturing's Administration on a quarterly basis. The team is responsible for performing an annual evaluation to review critical events, develop and evaluate goals, performance standards and progress.

An Environmental Task Force (Green Team) consisting of front line volunteers and key stakeholders will assume ownership of goals and objectives for specific performance indicators established by the environmental management committee. (Subcommittees)

The Environmental Health and Safety Office will support each committee, task force, and subcommittee with research, materials and information contacts.

Environmental Management System Framework



The first step in developing an EMS framework was to articulate the company's policy concerning environmental behavior and performance. A copy of the company's environmental policy statement defining its commitment to environmental stewardship is attached.

Environmental Key Focus Areas

Sustainability – The ability of the manufacturer to fulfill its mission and make decisions to improve the long-term quality, diversity, and regeneration capacity of the environment, social and economic systems that support industries activities and needs.

Compliance – Conformance to applicable laws, rules, regulations, best practices and other standards relevant to operations and activities of manufacturer.

Stewardship – Lessening overall environmental impact by developing and promoting practices that maximize beneficial efforts and minimize harmful effects of operations on the surrounding environment.

Resource Conservation – Utilizing, conserving, and protecting our natural resources – land, air, energy, water, and biodiversity – in ways that ensure long-term social, economic and

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environmental benefits for SCWM today and the shaping of SCWM for the future.

Education and Awareness – Increasing staff awareness of environmental issues; enhancing environmental education and offerings information on the facilities’ environmental processes and projects.

Performance Standards and Indicators

Specific performance standards, performance indicators, and metrics will be developed to assess progress and to review and evaluate management processes and operational outcomes. Institutionalizing measurement of appropriate indicators and ensuring a liberal reporting process will enable the company to track its progress with respect to environmental performance.

Performance Goals Matrix is attached as Appendix A.

Environmental Implementation and Operation

The Environmental Management Committee is responsible for operational control and responsibility for environmental performance with support and input from administration, staff, and coordinating departments.

Education and Training

Each department will be responsible for training their staff on environmental awareness issues and the environmental goals of the organization. The Environmental Health and Safety office will provide training resources and supplemental training to managers and staff.

Environmental Incident Response Plan

South Carolina Widget Manufacturing’s “Emergency Management Plan” and “Hazardous Waste Plan” outline steps for taking action to prevent environmental concerns, and response and corrective procedures to take if and when an environmental incident occurs.

Environmental Communication Plan

The Environmental Health and Safety Office, in partnership with the environmental management committee, will develop a collaborative communication plan utilizing bulletin boards, newsletters, intranet sites, screen savers, and staff meetings to highlight projects and activities associated with achieving continuous improvement in environmental performance.

Environmental Monitoring and Corrective Action

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The responsibility for monitoring and measuring environmental performance will be assigned to each individual that is responsible for a given performance indicator. A shared file titled “Environmental Management” is set up on our company’s R drive for storing documentation and performance measuring tools. A quarterly report from the environmental management committee will be generated and shared with management.

Management Review

The Environmental Management Committee will perform an annual evaluation that measures the effectiveness of the plan as it relates to its objectives and standards with regard to the selected performance indicators. This information will be shared with the environment of care committee, departmental managers, and the facilities’ executive team.

Management Approval: _____

Date: _____

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South Carolina Widget Manufacturing's Sustainability Goals and Responsibility Chart 2007

Appendix A

Environmental Areas	Ownership	Performance Indicators	Means of Measuring
Green Purchasing		Use of green products and materials	% Of purchasing dollars spent on materials and products meeting at least 1 EPP guideline.
Environmental Education		Environmental awareness and knowledge on the part of staff.	Percent of survey respondents scoring above 75% on an annual environmental literacy survey
Greenhouse gas emissions		Tons of carbon dioxide emissions will be below __ for the health system annually	Use of carbon calculator for the vehicles, electricity, and diesel fuel.
Solid Waste		Tons of solid waste will be less than 1400 for the year	Monitor landfill weights and convert to tons
Hazardous Waste		Hazardous waste generated will be less than ____.	Gallons
Indoor Air Quality		Number of indoor air quality complaints will be less than 3.	Number of calls received by Employee Health
Pesticide Use		Pounds / Gallons of Pesticides used	Grounds crews purchasing requisitions
Water Use		Millions of gallons used will be less than ____	Monthly usage figures form engineering services
Computer and Electronic Waste		Pounds of Equipment recycled per year.	IS destruction and recycling records.
Recycling Efforts		Increase total recycling effort of	Documentation from recycling pick- ups.

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		the facilities by 15% over 2005.	
Construction Debris		% of Construction Material recycled.	Construction Records.