

March 22, 2011

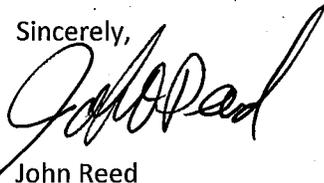
Mr. John Blunt
Toxics Reduction Specialist
Hazardous Waste and Toxics Reduction Program
Washington Department of Ecology
4601 N. Monroe Street
Spokane, WA 99205-1295

Dear Mr. Blunt,

Enclosed please find the Washington State University Pullman campus Environmental Management System annual report for calendar year 2010.

If you have any questions please do not hesitate to contact me at 509-335-9565 or via email at johnreed@wsu.edu.

Sincerely,



John Reed
Environmental Services Manager

Enclosure

Cc: (via email with enclosure)

Gary Coyle, Director, Dining Services
Rick Finch, Manager, Facilities Operations Waste Management
Patty Gropp, Associate Director, Purchasing Services
Dwight Hagihara, Director, Environmental Health and Safety
Marty O'Malley, Environmental Health Specialist, Environmental Health and Safety
Gene Patterson, Public Health Manager, Environmental Health and Safety
Terry Ryan, Director of Energy Services, Facilities Operations
Jason Sampson, Industrial Hygienist, Environmental Health and Safety
Russ Schaff, Facility Health and Safety Coordinator, Environmental Health and Safety

**Washington State University - Pullman
Environmental Management System
Annual Report for Calendar Year 2010**

- 1. A statement indicating the time period covered by the report.**

January 1, 2010 through December 31, 2010

- 2. A statement which indicates that the EMS elements described in the original application are still operative. The facility should indicate that an assessment of these elements has been completed, and describe the results of the assessment.**

All elements of Washington State University's Environmental Management System described in the original application remain operative.

- 3. A description of any significant changes in the EMS elements, or any relevant changes to the overall EMS of the facility.**

None.

- 4. Report on progress towards objectives and targets, including any problems encountered. When possible, include or reference quantitative data on hazardous substance and hazardous waste reduction, air or water pollutant reduction.**

See below.

WATER

Objective 1: Improve stormwater management on campus

Target 1: Develop and implement stormwater Operations and Maintenance plans.

- Target 1 was met
 - WSU developed Operations and Maintenance plans that are implemented by Facilities Operations.

Target 2: Develop and deliver stormwater education materials for residents and tenants

- Target 2 was met.
 - WSU sent emails containing educational information on stormwater to residents and tenants of WSU owned and operated residential facilities. An electronic billboard at the Compton Union Building was used to

provide educational information to students. Also a sustainability workshop was held at the Compton Union Building for students.

Target 3: Experimental low impact development projects

- Target 3 was met.
 - Sections of experimental permeable concrete sidewalk were constructed at Valley Road Playfield.

AIR

Objective 1: Develop green house gas reduction strategies

Target 1: Complete a Climate Action Plan to document ways WSU will work to reduce greenhouse gas emissions in the future.

- Target 1 was met.
 - Completed and submitted Climate Action Plan to American College and University Presidents' Climate Commitment

Target 2: Complete a greenhouse gas emissions inventory for CY 2009

- Target 2 was met.
 - Completed and submitted greenhouse gas emissions inventory to American College and University Presidents' Climate Commitment and Department of Ecology

Target 3: Initiate university wide commuter survey

- Target 3 was met.
 - Developed an electronic survey and verified information was being correctly gathered through web interface.

HAZARDOUS MATERIALS

Objective 1: Design and construct facilities that are more environmental, health and safety conscious.

Target 1: Create design and construction standards and a commissioning checklist to encourage consistent application of environmental, health and safety standards during the design, construction and commissioning of new or remodeled facilities

- Target 1 was met.
 - Outlines of design and construction standards and a commissioning checklist were developed. Departmental reviews are being completed to verify consistent formatting and applicability.

Objective 2: Reduce short term and long term risk and liability from hazardous chemical waste treatment and disposal

Target 1: Volunteer to serve on the State of Washington chemical waste disposal services contract re-bid technical evaluation committee

- Target 1 was met.
 - Provided two volunteers to the technical evaluation committee. The committee decided to extend the contract current contract with existing vendors.

FACILITY DESIGN, CONSTRUCTION AND MAINTENANCE

Objective 1: Continue supporting green/sustainable design, construction and maintenance activities on campus.

Target 1: Deliver training to new WSU designers, project officers and construction engineers/coordinators and provide refresher training to existing staff

- Target 1 was met.
 - Environmental Health and Safety employees provided training to WSU designers, project officers and construction engineers/coordinators emphasizing university procedures and legal requirements.

Target 2: Begin construction of the Global Animal Health building-design and construction to LEED silver standards

- Target 2 was not met.
 - Construction of the Global Animal Health building has begun. Site preparation and construction are being completed to the requirements set by LEED silver standards.

FOOD

Objective 1: Create stronger partnerships with local farmers and businesses

Target 1: Investigate options to secure partnership with the WSU Tukey Farm with the purchase of local apples (Goal 2,000 lbs.) by December 31, 2010

- Target 1 was met.
 - Could not come to or reach a viable economic agreement with WSU Tukey Farm. Developed a partnership with Wilson Banner Ranch in Clarkston, WA for peaches and pears.

Target 2: Work to expand partnership with WSU Organic Farm by December 31, 2010

- Target 2 was met.
 - Purchased zucchini and herbs from WSU Organic Farm for use at Dining Services.

Target 3: Plant an organic herb garden adjacent to a WSU dining hall and use the herbs for meals served at the dining hall.

- Target 3 was met.

- Developed a memo of understanding with Facilities Operations for use of land. The garden was established adjacent to Southside Dining Center in June. Due to the late planting the harvest was reduced.

ENERGY

Objective 1: Continue to identify and implement energy use avoidance projects

Target 1: Complete an economic evaluation of an in-vessel compost system to divert animal carcass and bedding material from incineration

- Target 1 was met.
 - Economic evaluation was completed and determined to be a feasible option. WSU applied for and received grant funding from the State Commerce Department to construct an annex to the existing compost facility to house a closed vessel compost system to allow pathogenic wastes to be safely decontaminated using the composting process.

Target 2: Participate in a new innovative Department of Energy Pacific Northwest Smart Grid demonstration project with the city of Pullman

- Target 2 was met.
 - Smart grid demonstration was completed showing potential energy savings.

Target 3: Complete economic evaluation of new energy efficient washers and dryers in the Student Recreation Center

- Target 3 was met.
 - New energy efficient washers and dryers were purchased and installed at the Student Recreation Center. They reduced energy usage for washers and dryers by 38% or 98,000 kWh.

WASTE MANAGEMENT

Objective 1: Continue to explore diverting rendering wastes to compost

Target 1: Conduct economic feasibility study on in-vessel composting to determine viability as a diversion of animal parts/bedding from incineration

- Target 1 was met.
 - Economic evaluation was completed and determined to be a feasible option. WSU applied for and received grant funding from the State Commerce Department to construct an annex to the existing compost facility to house a closed vessel compost system to allow pathogenic wastes to be safely decontaminated using the composting process.

PROCUREMENT

Objective 1: Continue to promote green purchasing policies

Target 1: Establish an official University policy that requires the use of 100% recycled content white paper for most uses, reduce the overall use of paper and recycle paper to the greatest extent possible

- Target 1 was met.
 - A policy was established in WSU's Business Policy and Procedures Manual requiring everyone to purchase 100% recycled content white paper. The policy also requires departments to recycle all multipurpose paper.

Target 2: Establish a contract for low product packaging/coreless toilet paper (up to 95% reduction in solid waste) and encourage use across campus

- Target 2 was met.
 - A contract was established for low product packaging/coreless toilet paper and is being used by both Facilities Operations and Housing.

New Objectives and Targets for 2011:

WATER

Objective 1: Improve stormwater management on campus

- Target 1: Finish marking all catch basins with "No Dumping Drains to River" labels.
- Target 2: Evaluate the feasibility of using snow shelves in parking lots.
- Target 3: Create and maintain a water quality website

AIR

Objective 1: Continue to develop greenhouse gas reduction strategies

- Target 1: Complete a greenhouse gas emissions inventory for CY 2010.
- Target 2: Create and maintain an air quality website.
- Target 3: Complete commuter survey

HAZARDOUS MATERIALS

Objective 1: Investigate used oil collection system upgrades at various locations.

- Target 1: Evaluate economic feasibility of converting temporary used oil collection containers to a permanent hands free system at all dining facilities.
- Target 2: Upgrade used oil collection containers at farms further limiting potential oil releases.

Objective 2: Begin work on cleaning up Model Toxics Control Act (MTCA) contaminated sites

- Target 1: Reduce liability by initiating clean up of mercury contamination in Fulmer Hall crawl space

Objective 3: Expand recycling opportunities of hazardous materials from non regulated sources

- Target 1: Environmental Health and Safety, Facilities Operations and the student's Environmental Task Force are working together to establish voluntary battery recycling locations for students at Compton Union Building.

FACILITY DESIGN, CONSTRUCTION AND MAINTENANCE

Objective 1: Continue supporting green/sustainable design, construction and maintenance activities on campus.

- Target 1: Continue to research and construct experimental sections of permeable concrete in sidewalks.
- Target 2: Research potential design and construction standards for low impact development.

FOOD

Objective 1: Continue to create stronger partnerships with local farmers and businesses

- Target 1: Using farm to fork concept increase percentage of split peas, barley, garbanzo beans, and lentils purchased locally instead of from Food Service of America
- Target 2: Work with vendor to investigate the feasibility to purchase local organic juice and energy bars.

Objective 2: Continue to look for partnerships opportunities within WSU

- Target 1: Use memo of understanding with Facilities Operations to expand organic herb garden adjacent to Southside Dining Center. Plant established garden in order to use entire growing season. Herbs will be used in the Dining Centers.
- Target 2: Continue to strengthen and expand partnership with WSU Organic Farm

ENERGY

Objective 1: Continue to identify and implement energy use avoidance projects

- Target 1: Install new energy saving equipment in Student Recreation Center.
- Target 2: Install new energy saving air handling system in Sloan Hall.
- Target 3: Save energy by putting the IT Building on the redundant chilled water loop and removing dedicated chillers.

Objective 2: Initiate use of new innovative Department of Energy Pacific Northwest Smart Grid.

- Target 1: Save energy by implementing the smart grid.

WASTE MANAGEMENT

Objective 1: Continue to explore diversion of waste streams to compost

Target 1: Design and begin construction of in-vessel composting facility with grant money received from State Commerce Department.

Target 2: Reduce carbon foot print by ceasing to ship medical waste off site for disposal.

Objective 2: Continue to promote recycling to reduce amount of waste going to landfill.

Target 1: Increase amount of waste recycled from dorms by 5% resulting in a decrease of 5% of the waste stream being diverted to the landfill.

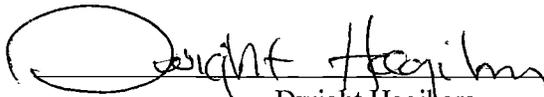
Target 2: Evaluate purchase of bailer to determine if bailing plastic is economic feasible. This will allow for direct recycling to vendors.

PROCUREMENT

Objective 1: Continue to promote green purchasing policies

- Target 1: Increase the purchase of remanufactured toner cartridges from our primary vendors by 20%.
- Target 2: Continue to evaluate purchasing options for energy saving equipment.

Management Signature and Date


Dwight Hagihara

3-22-11
Date

Executive Director, Environmental Health, Safety and Risk Management