

LANDSCAPING SERVICES

Please detail the responsibilities of the department.

The role of Landscaping Services is to maintain and improve the landscape and hardscape elements of all Educational and Auxiliary facilities on the Columbia Campus. The department's maintenance program cares for all outdoor areas on the Columbia campus and includes: turf areas, hardscape (roads, walks, drives, plaza's, etc.), tree & shrub care, ornamental beds, outdoor amenities, etc. The Landscaping staff is also responsible for litter and trash removal from outdoor areas and irrigation system maintenance. The department also supports numerous University special events throughout the year.

How many employees are in the department?

(27) Full Time Employees

(12) Temporary Employees

Please provide the name(s) of individuals in the department that are involved with decisions regarding environmental issues concerning the department.

Tom Knowles and Tommy Fallaw

Please list future plans/goals regarding environmental issues.

There is an initiative to develop an Environmental Management System (EMS) ISO14001. This initiative is still in its preliminary stages. We are also looking into using lower emission and lower noise level engines.

Survey 2003-2004

Please answer the following questions as completely as possible. They are intended to assist the Environmental Advisory Committee (EAC) with assessing the status and progress of the University's environmental policy. Feel free to add additional comments, explanations, or data where relevant.

1. Does the department have an environmental policy and how does it determine the environmental impacts of its processes and/or services?

Currently our department operates under the University's environmental policy.

2. Is landscape waste still being composted? If so, could you provide an estimate of how much waste is composted?

Yes we are still composting landscape waste, but it would be hard to determine the exact amount.

3. Is a pesticide usage form currently being used?

Yes

4. Have areas of campus been restored to natural landscapes? If so, what is the area of these natural landscapes?

No, But we have made efforts to make improvements to existing campus landscapes.

5. How much of the campus is serviced by drip irrigation systems?

About 10% of our irrigation systems are made up of drip irrigation.

6. If known, please provide the kinds and quantities of herbicides, insecticides, and pest control chemicals used on campus.

<u>Chemical</u>	<u>Amount used</u>
Round Up	37 Gallons
Reward	15 Gallons
Barricade	1.5 Gallon
Brushmaster	12 Gallons
Atrazine	1 Gallon
Talstar F	12 Ounces
Pramitol	1 Gallon
Speed Zone	3 Gallons
MSMA	3.5 Gallons
Basagran	1 Quart
Dimension	2 Gallons
XL2G	1100 lbs.
Induce	6 Gallons
Amdro	24 lbs.
fire star	34 lbs.
manage	0.5 Gallon
quick silver	1 quart
lake color	1 gallon

7. Are pest control services contracted to an outside provider?

No, the university's environmental services department handles the majority of our pest control that we need help with.

8. Are any of the used chemicals known carcinogens?

Not that I'm aware of.

9. How are pest control chemicals applied and are appropriate signs used to inform individuals that the area has been treated with chemicals?

Most of our applications are done with sprayers applied directly to pest being controlled. If a chemical is applied that requires a certain amount of time before re-entry then we will post signs.

10. Has the amount of chemicals used by the department increased or decreased in recent years?

We probably used about the same amount of chemicals each of the past few years. We did not have any records indicating quantity up until this current year.

11. What measures have been taken to reduce the cost and amount of chemicals used on campus?

We are trying to use more compost in flower beds as opposed to chemical fertilizers. We are also trying to use more mulch to prevent weeds from growing in beds as opposed to chemically removing the weeds.

12. Has the department considered non-chemical alternatives to pest control and methods of fertilization?

We are always looking for more ways to get and use organic materials as fertilizers.

13. Is there any evidence that the chemicals used have or could contaminate the groundwater?

Not that I'm aware of.

14. Has the department considered alternatives to the leaf blowers currently used?

We are always searching for a tool that can do the job as effectively and timely as the leaf blowers can and give off less pollution. To this date we have not been able to find any other alternatives that can meet our needs.

Comments Provided By: Tom Knowles, Assistant Director
tknowles@fmc.sc.edu

Conducted By: Elaine R. Durr, SUI Graduate Assistant
Spring 2005