



Solutions to Water Pollution



CITY OF DICKSON STORMWATER MANAGEMENT

CITY OF DICKSON
STORMWATER MANAGEMENT PROGRAM

600 EAST WALNUT STREET
DICKSON, TN 37055
615--441-9505

EMAIL: DLONG@CITYOFDICKSON.COM

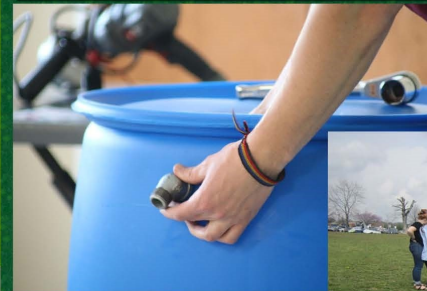
WEB: WWW.CITYOFDICKSON.COM

FACEBOOK: CITY OF DICKSON, TENNESSEE, USA

Guidelines for Golf Course Management

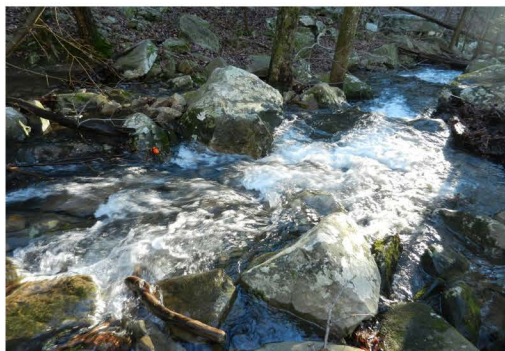


Unlike pollution from industry or sewage treatment facilities, which is caused by a discrete number of sources, stormwater pollution is caused by the daily activities of people everywhere. As rainwater and snowmelt run over streets, lawns, farms and construction sites, pollutants such as fertilizers, soil, pesticides, oil, grease, and pathogens are picked up and carried by the stormwater. The runoff carrying these pollutants is then discharged without treatment into bodies of water used for swimming, fishing and the provision of drinking water.



Why is it important to practice water quality best management practices on a golf course?

- Storm drains lead directly to streams, rivers, lakes, and creeks.
- Fertilizers contain nitrogen and phosphates. When excess nutrients enter the waterway it can result in eutrophication, which causes an increase in algae and similar plant life. Excess plant growth in waterways reduces the oxygen available for other aquatic organisms.
- Pesticides and herbicides are toxic, and sometimes deadly to a variety of aquatic organisms and wildlife.
- When grass clippings are introduced to waterways, they clog crevices between rocks at the bottom of the stream. This results in a dramatic loss in habitat to aquatic organisms that are essential in the food chain.



How do I protect the water on my golf course?

- Create a vegetated buffer around your stream.
- The roots of the plants in the buffer will prevent erosion and filter pollutants.



How do I manage my grass clippings?

- Properly maintained turf grass improves soil structure, stabilizes top soil, and reduces erosion.
- Avoid mowing more than 1/3 of the grass length at a time.
- DO NOT blow, sweep, or dump grass clippings into the street, down storm drains, drainage ditches, or streams.
- Compost clippings and other plant materials or bag them for curb side pick up.



How do I properly apply fertilizers?

- Conducting soil testing most accurately determines fertilizer application rates for your golf course.
- If soil testing is not conducted, be sure to follow the instructions on the fertilizer's container.
- Try to purchase slow release forms of nitrogen such as: urea formaldehyde, isobutylidenediurea (IBDU), and or sulfur-coated urea.
- DO NOT apply before rainfall, and only apply if adequate soil moisture is present.
- After fertilizer is applied lightly sprinkle water on the applied area.



How do I properly apply pesticides and herbicides?

- NEVER apply near streams, creeks, ditches, storm drains, or impervious surfaces.
- Try to purchase pesticides and herbicides with low water solubility and that come in granular formations.
- Use only as the label instructs.
- DO NOT apply before heavy rains or if wind speeds are above 7 mph.

