

Best Management Practice (BMP) Summary Sheet

Municipal Separate Storm Sewer System (MS4) Name: University of Minnesota Twin Cities

Minimum Control Measure: 6-Pollution Prevention/Good Housekeeping

Unique BMP Identification Number: 6A.13 (MS4 Permit 2020: 21.3.j)

Date: 09/08/2022

BMP Title: Golf Course Maintenance

BMP Description:

The University owns and operates an 18-hole public golf course, Les Bolstad Golf Course, through the Recreation and Wellness Department. To reduce pollutants in stormwater discharges, golf course operations use several tactics:

- **Fertilizer Application:**
 - Pesticide applicator is licensed by the Department of Agriculture
 - Buffer zones are implemented around all water hazards as “no fertilizer” zones
 - Catch basins are covered during fertilizer application
 - The “rough” is not fertilized
- **Phosphorus:**
 - Phosphorus applicator is certified by the University of Minnesota (UMN) Golf Course Superintendent Phosphorus Certification
 - Soils are tested to determine the need for phosphorus and other nutrient application
 - Greens are tested every 1 year
 - Fairways and tee boxes are tested every two years
- **Operations:**
 - Weather and soil monitoring for irrigation to avoid over watering
 - Maximize “no mow” areas

The golf course has an equipment storage and maintenance facility, Golf Course Turf Management Center, where mowers, tractors, skid steer, spreaders, and misc. equipment for operations are kept. All fertilizers and pesticides are stored indoors. Sand and soil are stockpiled at this facility. Equipment washing is done in a grassy area near Facility 02-359. Operations maintain an in-house spill program for spill response.

Measurable Goals:

Department of Agriculture Pesticide Applicator License, number of staff licensed, annually
UMN Golf Course Superintendent Phosphorus Certification, number of staff certified, annually

Timeline/Implementation Schedule:

Soils are tested for phosphorus in the early spring

Department of Agriculture Pesticide Applicator License, renewed on or before December 31st

Specific Components and Notes:

Spill Program, in-house

BMP 6A.16 Equipment Storage & Maintenance

BMP 6A.17 Materials Storage Yard Maintenance

Responsible Party for this BMP:

Name: Brent Belanger

Department: Golf Course Superintendent, Rec and Wellness/Golf Course

E-mail: belan007@umn.edu