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Non-Point Source Polluting Lawn Mower

9/13/05

### Milestones

- ◆ Safety training completed: September 27, 2005
- ◆ Calculate power requirements for typical lawn to accurately size battery/fuel cells  
    Use an existing electric lawnmower to measure power consumption by recording the amperage draw while mowing a defined size lawn: October 11, 2006
- ◆ Decision for mode of power source using pro's/con's of electric, solar, fuel cells and biofuel when power, mowing time, and cost are compared: October 18, 2005
- ◆ Engine and blade sizing completed, begin CAD drawings using Solid Works: November 11, 2005
- ◆ Decision which parts to buy and which to acquire from old parts. Complete the purchase request form for power supply: November 18
- ◆ Presentation of first semester results: December 6, 2005
- ◆ Solid works drawings completed: January 24, 2006
- ◆ Set up dyno for testing the motor, complete purchase request forms for any additional parts required for the final construction: February 7, 2006
- ◆ Finish motor testing and evaluation through comparison with stock system, make necessary modifications to motor: February 14, 2006
- ◆ Begin construction of lawnmower: February 28, 2006
- ◆ Finish lawnmower, begin final testing: March 28, 2006
- ◆ Set up of projects for final review, Maine Day: May 3, 2006
- ◆ Open house, operational review of project: May 4, 2006
- ◆ Final Project Report due: May 10 2006