



June 1, 2018

To: Association for the Advancement of Sustainability in Higher Education (AASHE)

Re: Submission of Innovation Credit for use of ec-H2O NanoClean Technology

AASHE and Stars Review Team;

Muhlenberg College Housekeeping has begun using chemical free cleaning wherever possible to eliminate the unnecessary use of chemicals for cleaning. Compared to conventional packaged daily-use cleaning chemicals, utilizing ex-H2O NanoClean reduces the impact of cleaning operations on the environment in seven key categories according to a third-party study by Ecoform Tm, LLC.

Reduction of Environmental Impact Versus Conventional Daily Cleaning Chemicals:

Energy 93%

Co2 Emissions 92%

Ozone 89%

Smog 96%

Acidification 87%

Eutrophication 41%

Particulate 88%

ec-H2O NanoClean® technology* electrically converts water into an innovative, detergent-free solution that cleans effectively and reduces environmental impact compared to daily floor cleaning chemicals. This converted water is created by an on-board e-cell that generates millions of tiny microscopic bubbles known as nanobubbles that promote the cleaning efficacy of the solution.

This product has met all our requirements for cleaning and has assisted our Housekeeping personnel to continue to improve the environmental footprint of our Housekeeping Operations.

Sincerely,
Muhlenberg College

Joseph Spirko

Housekeeping Manager