



NHC3UA

New Hampshire College and University
Compliance Assistance Cooperative Program

www.nhc3ua.org



Dartmouth

MINUTES

May 30, 2007

10:00 AM – 4:00 PM

UNH-Manchester

Members Present

Michael Blayney	Dartmouth College
Brad Manning	University of New Hampshire
David Gillum	University of New Hampshire
Ken Brown	University of New Hampshire
Matt Polzin	University of New Hampshire
Sylvie Rice	Keene State College
Mike Burnham	Keene State College
Tammy Hill	Plymouth State University
Don Perrin	Plymouth State University
John Weir	Franklin Pierce College
Susan Rolke	Franklin Pierce College
Loretta Barnett	Colby Sawyer College
Susan Barbaro	Rivier College
Don Cloutier	Rivier College
Jonathan Woodcock	New Hampshire Institute of Art
Pentti Aalto	Southern New Hampshire University

New Members

Ben Jorgensen	St. Paul's School
Scott Reynolds	St. Paul's School
Ellen Bryan	St. Paul's School

Guests

Josh Secunda	US Environmental Protection Agency
Cynthia Greene	US Environmental Protection Agency
Stephanie D'Agostino	NH Department of Environmental Services
Bob Minicucci	NH Department of Environmental Services
Matt O'Keefe	University of New Hampshire, Energy Office
Brett Pasinella	University of New Hampshire, Office of Sustainability
Stephen Campbell	Dartmouth College, Office of Planning, Design & Construction
Jim Merkel	Dartmouth College, Sustainability Manager
Frank Roberts	Dartmouth College, Facilities Operations & Management
Ken Packard	Dartmouth College, Facilities Operations & Management

Consultants

Ronald Breton	GZA GeoEnvironmental, Inc.
Tim Donnelly	MacMillan & Donnelly
Tom Bobowski	Nobis Engineering
Mike Benson	Triumvirate

NHC3UA

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Introduction:

David Gillum opened the meeting by distributing lapel pins and brochures to members and guests in attendance, then introducing Michael Blayney and Brad Manning. Attendees were then asked to introduce themselves. Ten schools were represented along with members from the US EPA, NH Department of Environmental Services, GZA GeoEnvironmental, Triumvirate, MacMillan & Donnelly, and Nobis Engineering.

Special Thanks:

Mike Blayney thanked members of St. Paul's School for recently joining the NHC3UA, and also thanked the guests and consultants in attendance for participating in the conference. Mr. Blayney expressed interest in having other schools join the Cooperative, including Tilton School, Proctor Academy, and White Mountain School. Attendees were asked to notify Mike or Brad Manning if they could think of other schools the Coop can reach out to.

NHC3UA Update – Michael Blayney:

Mike gave an update on NHC3UA activities. He detailed common compliance issues from the completed site visits, the importance of record keeping, and properly determining a school's generator status. Other issues highlighted included:

- Establishing written programs;
- Proper waste determination;
- Contingency plans;
- Occupational health and safety issues such as personal protective equipment and lockout-tagout procedures.

Loretta Barnett of Colby-Sawyer College and Jonathan Woodcock of the New Hampshire Institute of Art gave brief updates of how their institutions have been improving and responding to concerns brought to attention at the site visits at the respective schools.

Other schools that have hosted a site visit include Rivier College, Keene State College, Franklin Pierce College, and Daniel Webster College. St. Anselm College will be hosting a site visit later in June. Schools that have not hosted a site visit are asked to initiate scheduling one as soon as possible.

Mike wrapped up the update asking for schools and corporate consultants to share their accomplishments and advancements over the last year with the Cooperative by July 1. This information will be included in the annual report to be completed for the Davis Foundation.

NHC3UA Training Update – David Gillum:

The Cooperative is pursuing the creation of short training videos and training workshops. Examples of possible videos and workshops include:

- Art Safety and Theatre Safety;
- Spill Prevention Control and Countermeasures (SPCC);
- Hazardous Waste (particularly Universal Waste);
- Biodiesel Production and/or Handling Safety;
- Ergonomics Evaluations;
- Laboratory Safety;
- Green Chemistry Seminar;
- Energy Star Workshop.

David directed attendees to the UNH Office of Environmental Health & Safety website (<http://www.unh.edu/ehs/>) as a resource for training documents. Various programs are documented on the NHC3UA website (<http://www.nhc3ua.org>).

NH DES Inspection of the University of New Hampshire – Brad Manning:

Brad detailed the recent New Hampshire DES inspection, lead by Bob Bishop (RCRA Inspector), of the Hazardous Waste Program at UNH. The investigators were very thorough and wanted to inspect not only the central accumulation area and designated satellite accumulation areas; but examined all laboratory and chemical or hazardous material storage areas on campus. They paid close attention to universal waste storage, particularly spent fluorescent bulbs. The three day inspection was completed with an in-depth review of all UNH hazardous waste records including training procedures and completion. Results from the inspection were not available at the time of the conference.

Sustainability Discussion – Brett Pasinella and Jim Merkel:

Brett outlined the UNH Office of Sustainability and its role in guiding UNH towards energy conservation and climate protection initiatives.

Jim highlighted the need for sustainability programs and gave examples of how sustainability principles have become embedded at Dartmouth.

Ideas that member schools can easily implement include:

- Completing Greenhouse Gas or Carbon Inventories;
- Establishing Energy Task Force or Resource Working Group;
- Encouraging Student Involvement like Energy Waste Watch or Recycling Competitions.

Attendees are invited to follow up with Dartmouth or UNH for further detail and advice on implementing sustainability initiatives.

EPA Energy Initiative – Josh Secunda:

Josh discussed how the EPA can assist schools in energy conservation. He suggests that schools do not need to share specific data. It would be beneficial for all if schools did share ideas, progress and expertise in benchmarking software or methods. Benchmarking should be measured on the building level if possible. Schools must be submetered in order to participate in energy star program.

An energy efficiency symposium may be coordinated to encourage discussion of success and failures with new technologies and methods. The EPA hopes to serve as a forum to discuss what works and doesn't work. The EPA can train schools in using Energy Star software and establishing a baseline. A future Cooperative workshop will be developed for school representatives, including interested students.

Energy Efficiency at Dartmouth and UNH – Stephen Campbell and Matt O'Keefe:

Stephen outlined building performance metrics and how Dartmouth is striving towards sustainability through energy conservation projects.

Matt discussed how UNH participates in the EPA Energy Star Program.

Wrap up:

Future workshops will be created to cover what energy benchmarking software is available and how to use it, what type of metering is available, and what incentives are available from government and/or utility companies. The EPA is pursuing the energy companies to see how their help can benefit the schools towards energy efficiency.

The EPA Energy Star Program link, as well as all of the power point presentations, will be posted on the NHC3UA website.