MAINTAINING IAQ

EXAMPLES OF PRECAUTIONS THAT MAY BE REQUIRED

TO MINIMIZE IMPACT OF CONSTRUCTION ACTIVITIES

ON OCCUPANTS AND INDOOR AIR QUALITY

1. Conduct work generating fumes, odors, dust, etc. off-hours. This may include night shifts, weekends, etc.

2. Isolate the work area by constructing temporary walls (i.e., 2X4’s and polyethylene sheeting). Seal non-essential openings with two layers of polyethylene sheeting.

3. In certain circumstances, the involved area may have to be put under negative pressure. This would involve all steps in example #2 plus the use of portable air moving devices to induce negative pressure in the work area. Air would only move from clean to dirty areas.

4. Another possibility is to positively pressurize occupied non-construction areas.

5. Substitute products and/or procedures that are less toxic and less odorous.

6. Selectively shutting down certain air handling systems to prevent the inflow and distribution of contaminants may be necessary.

7. Selective evacuation of part of a facility or in certain circumstances, total evacuation of the facility may be the best solution.

The above list is by no means complete. There can be many ways to minimize the impact of your project on the occupants. It is extremely important that FP&C, or Maintenance & Operations, representatives consult with the Department of Occupational Health and Safety prior to the commencement of work unless the project presents hazards for which the appropriate protective measures have already been established. In most cases selecting one or a combination of the above steps is a judgment call based on anticipated physical and chemical contamination.

For details,


U of D Occupational Health and Safety Contact: Joe Miller 831-6566

jamiller@udel.edu
ADDITIONS TO THE CONTRACTOR SAFETY ADVISORY

POWERED INDUSTRIAL TRUCKS

All Contractors should follow the OSHA 29CFR 1910.178 regulations requiring training, certification and any special licenses that may be required to operate equipment on site. A copy of such certifications and or licenses should be given the University before work begins.

- No one under the age of 18 may operate any Powered Industrial Truck in accordance with (29CFR 570.58).
- Ensure that barriers are set up when working at heights to avoid foot traffic below.
- All Powered Industrial Trucks shall be safely secured at the end of the work shift by lowering the forks/baskets to the ground and erect fencing, caution tape and or safety cones around the truck to secure it.
- Any power operating industrial truck not in safe operating condition shall be removed from service. All repairs shall be made be authorized personnel.
- At no time shall any Contractor hitch a ride on or use a forklift to work on a project at heights where a bucket lift or man lift would be suitable for the task.
- Safety harnesses and landyards must be in good condition and used when working at heights.
- Construction safety regulations under 29-CFR1926.602 mirrors that of 29-CFR 1910.178 of the OSHA regulations that covers the training, operation and maintenance of all Powered Industrial Trucks.
ADDITIONS TO THE CONTRACTOR SAFETY ADVISORY

Confined Space

- New electronic Confined Space Entry Permit system refer to web site: http://www.facilities.udel.edu/legacyforms/csep. This permit must be filled out before entries are made.

- Note on Confined Space Regulations - The University of Delaware’s procedures for Confined Space Entry follows OSHA’s General Industry regulations. All contractors must follow procedures equal to or greater than the UD procedures.

- Cover and secure all openings to confined spaces if they will be left unattended.

Indoor Air Quality

- See attached sheet on possible steps to maintain good air quality in occupied buildings under construction.

Electrical

- All contractors should be aware of OSHA’s requirements for arc flash protection. This covers all skilled trades at risk. This regulation is under-going rapid changes at present.

Power Industrial Trucks

- See attached sheet on forklifts, man lifts or any other type of lift powered by fuel or electrical power.

Hearing Protection

- All contractors are required to wear the proper hearing protection as mandated by OSHA. This applies to all contractor construction activities as well as people working within applicable University Building locations such as mechanical rooms, electrical rooms, boiler and chiller plants, etc.

Protective Clothing

- All contractor employees working on campus are required to wear the appropriate protective clothing. Long pants and sleeved shirts are required.

Sexual Harassment

- Sexual harassment is not permitted in any form on campus per University Policy 4-29. Such conduct will result in immediate dismissal from campus.

JAM 7/10/08