PLAINTIFF'S EXHIBIT CEL-725

Interoffice Memorandum

TO (Name and Location)	DATE
*As Listed	March 15, 1978
FROM (Name and Location)	REFERENCE NO.
J. P. Hawthorne	JPH-261-78

*Mr. L. Griffith	Mr. R. M. Guedin
Dr. C. C. Hobbs	Mr. L. W. Hartman
Mr. E. V. Kunkel	Dr. D. R. Napier
Mr. J. D. Penrod	Mr. J. A. Pollard
Mr. J. L. Ward	Dr. J. C. Trebellas
	Mr. R. C. Wilkerson

Feed Back Re: March Safety Meeting - "Occupational Health Problems"

The group workshop approach was used during the March, 1978 safety meeting to communicate occupational health problems relating to the Technical Center. Eighteen groups composed of ten members or less participated. Attached are nine work sheets which I feel contain information of interest to our overall health and safety program They are summarized below:

1. The majority of those attending felt some control over cigarette, pipe, etc. smoking should be initiated.

2. Moving heavy objects was voiced as a potential hazard which should be given more supervisory attention.

3. Exposed steam lines (perhaps most are steam tracings) should be insulated.

In most everyones opinion, the facilities safety and health rules relating to hazardous chemical control were effective. However, you will note that seven answers to questionnaire item 5 (are control methods effective) were inconclusive.

Should you wish additional clarification on any of the attachments or have any questions please stop by or call.

Jim

JPH/lj
Attachments
cc: RDD
GJF
WEH
WTM
AAM

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER L. E. Wade

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS;

   a. Cigarette smoke
   b. Electrical shock-switchboard, other manufactured heaters etc.
   c. Contaminated Glassware, unlabeled chemicals
   ~~d.~~ Contaminated glassware (internal in analytical samples)

3. HEALTH RELATED EFFECTS;

   a. Cancer emphasyma heart disease
   b. Heart fibrillation, secondary accidents from recoil
   c. Unknown depending on chemical residual in glassware
   ~~d.~~

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER);
   LIST; Ban Smoking in conference rooms etc. all but private offices.
   Proper grounding
   All glassware should be rinsed, better ventilation in work areas, AOT alarm in wash room.

5. ARE CONTROL METHODS AFFECTIVE? YES ✓ NO ____

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS;

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER Hubert Peter Kunz MM

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS:

   a. ~~FP~~ NOISE.

   b. STEAM LINES E exposed

   c. CHEMICAL FUMES.

3. HEALTH RELATED EFFECTS:

   a. HEARING.

   b. BURNS

   c. RESPITORY PROBLEMS

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER).
   LIST:
   EAR. PLUG EAR. MAFFS
   INSULATION.
   Proper ventilation

5. ARE CONTROL METHODS AFFECTIVE? YES ~~X~~ NO ~~X~~ # b.

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS.

008663

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER Joyce Purdy

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS:

   a. Benzene, Acrolein, MFA

   b. MOVING HEAVY OBJECTS

   c. NOISE

3. HEALTH RELATED EFFECTS:

   a. BENZENE / CARCINOGEN - ACROLEIN ___ BURNS
      OSMOTIC EFFECT MFA

   b. BACK SPRAIN, HERNIA

   c. HEADACHE, LONG-TERM HEARING IMPAIRMENT

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER).
   LIST:

   a. VENTILATION, HOODS, PROTECTIVE CLOTHING

   b. JACKS, PULLIES, DOLLIES, TECHNICIANS, OTHER EQUIPMENT

   c. EQUIPMENT AVAILABLE FOR MEASURING LEVELS.
      NOISE INSULATION - MUFFLER, EAR MUFFS.

5. ARE CONTROL METHODS AFFECTIVE? YES___ NO_____,

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS.

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER WE TAYLOR

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS:

a. STEAM (any heated lines)

b. ACRYLATES

c. FORMALDEHYDE (~~ACETONE~~)

3. HEALTH RELATED EFFECTS:

a. ~~St~~ Burns (1st & 2nd Degree common) ~~Dip~~ contact burns

b. Dermatitis (or worse--burns); ~~Acry~~ Acrid, stiffling odor; damage mucous membranes in nose, eyes, etc

c. Suffocating odor; dermatitis, respiratory problems.

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER).
LIST:

(STEAM) · Insulation of Steam Lines. Wear Gloves. ~~Labl~~ Label Lines.

(ACRYLATES) Rubber gloves; wash hands frequently; avoid contact; Operate in hoods; avoid spills (Long Sleeves) face shields. Protective Clothing

(Formaldehyde) Avoid vapor release. ~~Avoid~~ Wear gloves; transfer in hood; heat in hood

5. ARE CONTROL METHODS AFFECTIVE? YES___ NO___

Steam yes ✓ no —. Acrylates yes ✓ no ✓. Formaldehyde yes ✓ no —

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS.

Acrylates Slops Disposal don't accumulate small samples, flush them individually (<50 ml). Flush small samples in outside sump.

008665

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER L. W. HARTMAN

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS:

   a. SMOKE- WELDING; OIL; CIGARETTES

   b. NOISE

   c. BENZENE

3. HEALTH RELATED EFFECTS:

   a. RESP. PROBLEMS, EYE IRRITATION

   b. HEARING DAMAGE; EQUIL. PROBS; NERVE DAMAGE (MENTAL)

   c. BLOOD DAMAGE

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER).
   LIST:
   a) VENTILATION; RESP PROT; NO SMOKING AREAS; CHANGE IN WORK METHODS/MATL
   b) NOISE: USE OF PERSONAL PROT. EQUIP; POSTING OF HIGH NOISE AREAS
   c) BENZENE: LIMIT USE/EXPOSURE - PERS. PROT. EQUIP - VENTILATION - MONITORING

5. ARE CONTROL METHODS AFFECTIVE? YES____ NO✓____

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS.

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER Wilson Ray X

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS:

   a. NOISE

   b. TobaccoSmoke

   c. Dust

3. HEALTH RELATED EFFECTS:

   a. HEARING DAMAGE, NERVOUS DISORDER, Fatigue

   b. Restricted breathing, Eye Nose. irritation, general annoyance

   c. Respiratory problem, Related Toxic effects

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER). LIST:

   a. Enclose Noise Emmitter, Eliminate Noise Source, Change surrounding environment

   b. No smoking areas - though not universally

   c. Masks, Personal Protective equip, Forced Ventillation

5. ARE CONTROL METHODS AFFECTIVE? YES___ NO X

   a. Yes
   b. NO
   c. Yes

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS.

   smoking Only Areas

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER Ben Major

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS:

a. ~~(SAE)~~ ~~Multifunctional~~ ~~Acrylates~~ liquid chemicals

b. ~~Benzene~~ Heat

c. ~~CO~~ Gas

3. HEALTH RELATED EFFECTS:

a. ~~burns~~ ~~blisters~~, ~~burns~~ burns, blisters, respiratory problems

b. burns, heat stroke, chapped skin,

c. Respiratory problems, suffocation, death or injury due to toxic effects.

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER). LIST: face shields, gloves, boots, rubberized suits w/ self contained breathing apparatus design or units., flushing procedures. body shields insulation, labeling of all lines, vents, proper vents, fresh air mask.

5. ARE CONTROL METHODS EFFECTIVE? YES____ NO____ usually

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS.

OCCUPATIONAL HEALTH PROBLEMS

(Must Relate to The Technical Center)

1. ELECT A GROUP LEADER Al H. Richey

2. LIST THREE (3) CHEMICAL OR PHYSICAL AGENTS:

   a. Formaldehyde
   b. Methanol
   c. Triphenyl phosphene

3. HEALTH RELATED EFFECTS:

   a. Irritant to skin and eyes
   b. Blindness, liver damage
   c. Nerve damage

4. CONTROL METHODS (IN USE AT THE TECHNICAL CENTER). LIST:

   Ventilation, protective equipment

5. ARE CONTROL METHODS EFFECTIVE? YES ✓ NO ____ for the most part

6. RECOMMEND A WORKABLE CONTROL/S METHOD FOR NO ANSWERS.

   Improved warning and labeling in the laboratories

008669