

ASBESTOS
MEASUREMENT REQUIREMENTS

HWBB-0037776

CURRENT

PROPOSED

INITIAL

EVERY PLACE WHERE ASBESTOS
IS RELEASED

EVERY PLACE WHERE ASBESTOS
MAY BE RELEASED

PERIODIC

EVERY 6 MONTHS WHERE EXPOSURE
MAY REASONABLY EXCEED LIMITS

EVERY MONTH IF ABOVE LIMIT OR
EVERY 3 MONTHS IF BELOW LIMIT
UNTIL

AT LEAST 2 CONSECUTIVE SAMPLES
ARE BELOW LIMITS, THEN NONE
UNTIL

ANY CHANGE IN PROCESS,
HANDLING, ETC. - EVEN IF CHANGE
IS EXPECTED TO LOWER EXPOSURE.

EMPLOYEE NOTIFICATION

WITHIN 5 DAYS OF DETERMINING
OVER-EXPOSURE

WITHIN 5 DAYS - ALL RESULTS

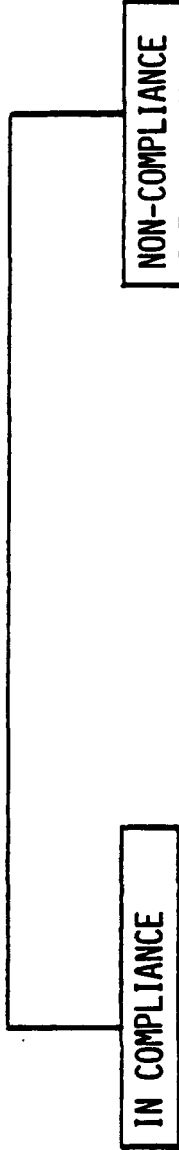
November 1992

TIN RIT: ABRAMIS



C O M P L I A N C E

1. INVENTORY LIST OF ASBESTOS SOURCES.
2. MONITOR TO EVALUATE AIRBORNE ASBESTOS.



- MONITORING
- MEDICAL SURVEILLANCE
- RECORD KEEPING
- REGULATED AREA
- MONITORING
- ENGINEERING CONTROLS
- WORK PRACTICES
- PERSONAL PROTECTION
- MEDICAL SURVEILLANCE
- TRAINING
- RECORD KEEPING
- WRITTEN PROGRAM

IMPACT
ECONOMIC & TECHNICAL FEASIBILITY
PRIMARY USERS

1. OVER 50% OF SAMPLES > 2 FIBERS/CC (TWA).
2. USING BEST AVAILABLE TECHNOLOGY (BAT) PRIMARY USERS CAN MEET 2 FIBER/CC IN 3-5 YEARS.
3. COST FOR MEETING 2 FIBERS/CC WILL BE SUBSTANTIAL BUT CAN BE TOLERATED.
4. 0.5 FIBER/CC CAN NOT BE ACHIEVED BY BAT. (BAT IN USE IN NUMEROUS U.S. & FOREIGN INDUSTRIES AND THEY CANNOT MEET 0.5).

TIN REF: ABRAMS November 1992

WBB-0037778

TIN REF: AIBR AIMS

November 1992

I.H.L.
3-76

ASBESTOS ACTS AS A LUNG CARCINOGEN
AT LEVELS BELOW THOSE THAT WILL
PRODUCE ASBESTOS (NON-MALIGNANT
SCARRING OF THE LUNGS WHICH IN ITS
SEVERE FORMS, CAN CAUSE DEATH).

MWBB-0037779

IN RE: ABRAMS November 1992

ASBESTOS

MEDICAL REQUIREMENT

(FOR EXPOSURE TO ANY CONCENTRATION OF AIRBORNE ASBESTOS)

NWBB-0037780

CURRENT

PRE-PLACEMENT

X-RAY, FVC, FEV_{1.0},
MEDICAL HISTORY

PROPOSED

SAME

PLUS

SPUTUM CYTOLOGY FOR EMPLOYEES
OVER 45 OR OVER 10 YEAR'S PRIOR
EXPOSURE

PLUS

PHYSICIAN'S STATEMENT:

- A. ANY CONDITION WHICH MAY
INCREASE RISK
- B. ANY LIMITATIONS ON EXPOSURE
OR USE OF PROTECTIVE EQUIPMENT
- C. EMPLOYEE INFORMED OF ANY
CONDITION WHICH NEED MORE
EXAMS OR TREATMENT.

PLUS

SIGNED EMPLOYEE DISCLAIMER
INFORMING HIM OF POSSIBLE HEALTH
CONSEQUENCES IF HE REFUSES EXAM.

ANNUAL

SAME AS ABOVE.

X-RAY, FVC, FEV_{1.0}, MED. HIST.
SP. CYT. (AS ABOVE)

TERMINATION

SAME AS ABOVE.

SAME AS ABOVE.

PERMISSIBLE CONCENTRATIONS
AIRBORNE ASBESTOS FIBERS

	<u>CURRENT</u>	<u>PROPOSED</u>
8 HR.-TWA	5 FIBERS/CM ³	0.5 FIBERS/CM ³
CEILING LIMIT	10 FIBERS/CM ³	5 FIBERS/CM ³

ASBESTOS

RECORD KEEPING REQUIREMENTS

HW88-0037782

CURRENT

PROPOSED

MONITORING

3 YEARS

40 YEARS, MIN. OR 20 YEARS
AFTER TERMINATION - HIGHLY
DETAILED.

MEDICAL

20 YEARS

40 YEARS, MIN. OR 20 YEARS
AFTER TERMINATION.

VENTILATION

(ANSI Z9.2-'71 "KEEP
ADEQUATE RECORDS")

3 YEARS.

EMPLOYEE TRAINING

NONE

3 YEARS - MODERATELY DETAILED.

ENTRY ROSTER

NONE

40 YEARS MIN. - OR 20 YEARS
AFTER TERMINATION.

TIN REF. AIRB. A. MIS

November 1992

I.H.L.
3-76

REGULATED AREA

- AIRBORNE ASBESTOS ABOVE LIMITS
- ENTRY BY AUTHORIZED PERSONS ONLY
- DAILY ROSTER OF PERSONS ENTERING AREA

MVBB-0037783