

Bruce Karrh 2000

- 10 age 64
- 11 notice of corp rep
- 13 offered to testify re: the knowl of Δ re: asb; Δ's membership in trade orgs
- 24 Univ of Alabama graduated 1958 w/ BS in Chemistry
- 25 dnr studying asbestos in med school or undergrad
- 26 was in Army 62-65
- 27 first time he had a "good understanding" was 8/70 when started @ DuPont 1970 - job title @ DuPont = medical supervisor @ Spruance plant
That plant made fibers - nylon, Teflon etc
- 28 Spruance plant used asb-containing plc
- 29 His supervisor was Bill Morrison - employee relations superintendent
Predecessor = Dr. Fred Pierce
- 30: was @ Spruance until 3/73
when he started @ Spruance, Pierce had a file w/ some articles on asb + he reviewed them when he started. Recalls one article was by Selikoff in mid 60s.
- 31: Recalls Selikoff article b/c he later worked w/ Selikoff
First met Selikoff @ conference in '74
- 32: Karrh invited Selikoff to Wilmington to meet w/ all DuPont physicians who were assembled for a meeting in late 70s.
Karrh also met w/ Selikoff @ his office in late 70s to discuss a program for employees exposed to asb.
- 34: The meeting w/ physicians was specifically to discuss asb
In 1970, DuPont had procedures to protect people from asb @ Spruance:
① handling of asb had to use adequate ventilation

34: ② use of ppe

35: ③ medical surveillance where mostly insulators had chest Xrays every 6 mos

these were written procedures

his review of files led him to believe this prog started in 1968.

36 most, if not all, plants had comparable programs

37 describes the ventilation procedure

38 the foreman decided if engineering/ventilation controls were adequate or if workers need respirators.

40 foreman determined that by sight

43 ~~can't say~~ asbestos latency period

44 Spruance e'ers had were being warned about asb by time he started in 1970 - probably started in 68 w/ medical monitoring

45 @ Spruance, only insulators had cxr every 6 mos for asb

70-73 there were corp communications to plant physicians

46 He dnk when DuPont learned about asb. He has seen the

Trip Report re: conf in 64.

47 every plant had access to a physician

48 He can trace the medical surveillance prog to 68, but it could have been there earlier.

March 73 - transferred to Haskell Lab as research mgr in env'l sciences

49 the director of Haskell Lab = John Zapp @ time

50 Dr. Richard Hubiak was one of 2 i.h.s i.e + he worked w/ the plants on some asb procedures

all plants had diff't but similar procedures

52 in 1970, DuPont only had a corporate-wide general policy that plants = safe. Plants had to implement their own policy.

53:

54: 1970 - DuPont had spec req + for air monitoring in eng dept

DuPont decided to not use crocidolite in late 1960s

55: reason was research %s DuPont showed it was worse than chrysotile or amosite.

eng dept started req + for ^{air} monitoring for arb in late 60s - based on a doc from mid-late 60s authored by Keuper.

56 in early 70s (73-74) DuPont decided not to purchase/use arb anymore

57 The Safety + Fire Protection Division did yearly audits to enforce w rules

58 surveys began in late 60s. did involve arb.

63 Exhib 4 = Memo dated 10-21-70 from J.A. Sigman to D.F. Hollingsworth titled "Asbestos Dust." Asking for an engineering std re: arb dust criteria + recommend that it addressed in 1971 meeting.

see it in Lomen deso

64: The eng standard was written in ~~off~~ + pub in about 73. also refers to a company-wide seminar @ Haskell Lab in May 70

65 Haskell Lab held 2 more seminars in 72 both dis arb.

He attended the one for plant physicians

70 before OSHA, DuPont used the ACGIH TLV

72 Jan 74 - became the ass't corporate medical director

73 April 77 - became the corporate medical director

76 Had 2 OSHA inspections 74-83. 77-79 - Repano + Chambers plants.

77-78 OSHA inspector concluded that DuPont had not fully implemented the OSHA std @ those 2 plants + issued citations.

DNR any inspections or citations of Tx plants

- 78: As a result of citations, Δ started a company-wide prog to survey all the plant sites + determine how medical eval worked. Was in 79-80.
- 79: Result was that some not done as well as could have.
- 80: believes rest of co started monitoring around OSHA.
- 84: : Dup stopped using spray asb around 72-73
- 86: Believes Dup was a founding member of NSC +/or IHF
goes thru Exh 5
- 90-91 contractors + med progs
- 94 believes Spruance warned e'ees re: asb around 68 + that other plants had comparable programs

Questioning by Larry Cotten

- 106: Karrh retired from company 3-31-96 as Vice Pres of Integrated Healthcare
- 125: Dupont occ'l med program was set up in 1915
- 127: Haskell Lab began in 35
has evolved to help Dup understand potential toxic hazards in its workplace
- 130: The medical division did not conduct audits of plant physicians until late 70s - early 80s.
- 132: Communicated w/ plant physicians on toxics incl asb
- 140-41 Dupont epidemiologist = Dr. Pell. Dup had first occ'l epidemiology prog in 56. Started a corporate death + corp cancer registries - included e'ees + pensioners.
- * 142: 1st asb condition detected 74-75; 1st malignancy detected 77-78
- 143: DuPont focused on safety in construction of its facilities

- 148: Corp policy was to keep dust to a minimum.
1950's policy re: dust mask req - not sure about +/f but DuP e'ee
- 149: were supposed to wear a mask if dusty
eng controls
- 154: discusses Trig Report 1964 by Dr. Stopps
- ★ 156: This is the earliest doc that says this
- 157: Letter from Stopps to McClellan in Ireland dated 11-29-65
- 160: Letter dated 7-28-66 from Stopps to D'Alonzo
shows Dr. Karrh that DuP was evaluating its employees for
asb by 1966
- 162: in 1966 it was difficult to measure asb dust
- 164: he never saw anyone in Tx using a ppe but they
would have been a/u
- 165: Letter dated 8-23-66 from Stopps to Neeld
- 167: this = example of DuP continuing to evaluate the situation
Letter dated 11-8-66 to all plant physicians from D'Alonzo
- 170: Letter from Dr. Rhode @ Victoria, Tx facility responds.
- 172: Another response dated 11-8-66
- 174: Another memo from Keuper dated 4-5-68 re: Tx plants
reads whole memo hits reurd. This is the doc he
referred to earlier. Outlines DuPont's voluntary policies.

~~I stopped here.~~

- ★ 185: Memo dated 7-11-68 from Keuper "Dust Control Prog"
Includes Air samples taken in 68. Including Houston Plant.
- 190: Letter dated 8-5-68 re: above doc from Stopps -
says the #s are good + show "two counts are being made"

191- Memo re: dustiness of insulation
stopped here