File: WGK Health Studies

CMA Benzene Study Conducted by Environmental Associates of Calif. - 1983

EPIDEMIOLOGIC STUDIES - W.G. KRUMMRICH PLANT

NIOSH Dioxin Registry

Purpose: To identify all hourly employees who worked three or more days in the pentachlorophenol and/or 2,4,5-T esterification units at the Krummrich plant.

Original request from NIOSH 78-79 period

Requirements: Abstract work histories from employment records '38 - '82
Edit work histories
Audit work histories
Obtain vital status information
Send copy of data (MEHI header and work records) to NIOSH with appropriate project documentation

gen. background specific

NIOSH trying to create exposure matrix

Nitro Dow D. Shaw up to 12 sites = look for excess mortality

Status: Completed November 1985

Northwestern/Monsanto Medical Study

Purpose: To compare the health of hourly employees with past exposure to chlorophenols, chlorophenoxy acids, and their dioxin contaminants with the health of hourly employees without past exposure to the above chemicals.

Morbidity

Requirement: Identify exposed and unexposed study populations
Obtain vital status information
Obtain addresses and home telephone numbers
Send copy of data (MEHI header, work, and termination records) to Northwestern University

85% participation rate

Status: Tentative completion date for data gathering phase - May 1986
Tentative completion date for data analysis phase - May 1987

Krummrich Hourly Cohort Mortality Study

Purpose: To observe the mortality trends of hourly Krummrich employees who worked six or more months between January 1, 1946 and December 31, 1975.

Study pop of 3,000 white + black males

Requirements: Identify all hourly employees who worked at the Krummrich plant between 1946 and 1975
Edit MEHI header records
Obtain vital status information through December 31, 1982
Analyze data
Complete final report

Excess in lung cancer (U.S.) 20% (in '72) to 40% in '82

County comparison 30% + than national; plant = 10% + than coun

Status: Completed September 1985, although final report will not be written until the nested lung cancer case-control study has been completed.

Krummrich Lung Cancer Case-Control Study

Purpose: To investigate the statistically significant 40% excess in lung cancer among hourly employees who worked six or more months between January 1, 1946 and December 31, 1975.

94 deaths

DSW 136499

STLCOPCB4036461

Requirements: Identify cases
Design computer program to select controls
Edit work histories for cases and controls
Create occupational exposure categories (OEC's)
Analyze data
Complete final report

Status: Tentative completion date for data analysis - April 1986
Tentative completion date for final report - June 1986

Krummrich 4-NDPA Cohort Mortality Study

Purpose: To observe the mortality trends of hourly employees who ever held production jobs in the 4-NDPA unit from start-up through December 31, 1982.

Requirements: Identify hourly employees who held production jobs in department 255
Obtain vital status information
Edit work histories
Analyze data
Complete final report

Status: Completed December 1985

Krummrich Chlorophenol Cohort Mortality Study

Purpose: To observe the mortality trends of hourly employees with past exposure to chlorophenols, chlorophenoxy acids, and their dioxin contaminants.

Requirements: Identify hourly employees who worked in departments 226, 236, 237, and/or 268
Edit work histories
Obtain vital status information
Create exposure matrix
Analyze data
Complete final report

Status: Cohort has been identified and vital status information has been obtain for over 96% of the cohort. Exposure matrix has not been created.
Tentative completion date - third quarter 1986

Krummrich Hourly Work Histories (Retrospective)

Purpose: To compile work histories for hourly empoloyees who ever worked at the Krummrich plant between 1935 and 1980 for future epidemiologic studies.

Requirements: Abstract work histories from plant personnel records
Edit work histories
Audit work histories
Enter work histories into the MEHI system

DSW 136500

Status: The work histories have been coded and approximately 50% of the work histories have been edited. Once the editing phase has been completed, the work histories will be entered into the MEHI system.
Tentative completion date - December 1986

Terry L. Leet
Epidemiologist
April 14, 1986

DSW 136501