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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
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## NIOSH AGRICULTURE BIBLIOGRAPHY

#### U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

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June 1992

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#### NIOSH AGRICULTURE BIBLIOGRAPHY

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Documents are arranged by type of NIOSH publication, which include numbered publications, contract and grant reports, control technology reports, hazard evaluations and technical assistance reports, industrywide study reports, fatal accident circumstances and epidemiology reports, journal articles and book chapters, testimonies, and miscellaneous reports. A brief description of each publication type precedes the listing of documents in that section.

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Agriculture Chemicals and Pesticides - A Subfile of Registry of Toxic Effects of Chemical Substances - 1977.

NIOSH Pub. No. 77-180, 274 pp.

NTIS No. PB-274-748

\$35.00

Alert - Request for Assistance in Preventing Bladder Cancer from Exposure to o-Toluidine and Aniline, December 1990.

NIOSH Pub. No. 90-116. 15 pp.

NTIS No. PB-91-188-953

\$17.00

Alert - Request for Assistance in Preventing Deaths of Farm Workers in Manure Pits. NIOSH Pub. No. 90-103. 13 pp.

Available from NIOSH.

NTIS No. PB-90-242-033

\$15.00

Alert - Request for Assistance in Preventing Entrapment and Suffocation Caused by the Unstable Surfaces of Grain and Other Material.

NIOSH Pub. No. 88-102. 11 pp.

Available from NIOSH.

NTIS No. PB-88-188-735

\$15.00

Alert - Request for Assistance in Preventing Fatalities Due to Fires and Explosions in Oxygen-limiting Silos.

NIOSH Pub. No. 86-118. 7 pp.

Available from NIOSH.

NTIS No. PB-87-111-399

\$12.50

Alert - Request for Assistance in Preventing Grain Auger Electrocutions.

NIOSH Pub. No. 86-119. 6 pp.

Available from NIOSH.

NTIS No. PB-87-105-599

\$12.50

Alert - Request for Assistance in Preventing Occupational Fatalities in Confined Spaces. NIOSH Pub. No. 86-110. 9 pp.

Available from NIOSH.

NTIS No. PB-86-205-754

\$11.00

Alert - Reprints October 1980 - December 1986, September 1987.

NIOSH Pub. No. 87-119. 137 pp.

NTIS No. PB-88-189-428

\$26.00

Behavioral Toxicology - Early Detection of Occupational Hazards.

NIOSH Pub. No. 74-126. 507 pp.

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\$53.00

Bis(Chloromethyl)Ether (BCME) Formation and Detection in Selected Work Environments.

NIOSH PUB No. 79-118. 151 pp.

NTIS No. PB-83-174-102

\$23.00

Control Technology Assessment of Enzyme Fermentation Processes.

NIOSH Pub. No. 88-114. 85 pp.

NTIS No. PB-89-120-984

\$17.00

Criteria for a Recommended Standard: Occupational Exposure During the Manufacture and Formulation of Pesticides.

NIOSH Pub. No. 78-174. 440 pp.

Available from NIOSH.

NTIS No. PB-81-227-001

\$45.00

Criteria for a Recommended Standard: Occupational Exposure to Benzyl Chloride.

NIOSH Pub. No. 78-182. 98 pp.

Available from NIOSH.

NTIS No. PB-81-226-698

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Criteria for a Recommended Standard: Occupational Exposure to Carbaryl.

NIOSH Pub. No. 77-107. 204 pp.

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Criteria for a Recommended Standard: Occupational Exposure to Inorganic Arsenic. (Revised).

NIOSH Pub. No. 75-149. 141 pp.

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Criteria for a Recommended Standard: Occupational Exposure to Kepone.

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Criteria for a Recommended Standard: Logging From Felling to First Fall.

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Criteria for a Recommended Standard: Welding, Brazing and Thermal Cutting (Abridged Edition).

NIOSH Pub. No. 88-110a. 68 pp.

Available from NIOSH.

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Criteria for a Recommended Standard: Working in Confined Spaces.

NIOSH Pub. No. 80-106. 78 pp.

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Current Intelligence Bulletin 23 - Ethylene Dibromide and Disulfiram Toxic Interaction.

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NIOSH Pub. No. 78-181. 27 pp.

Available from NIOSH.

NTIS No. PB-85-119-196

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Current Intelligence Bulletin 30 - Epichlorohydrin.

NIOSH Pub. No. 79-105. 17 pp.

Available from NIOSH.

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Current Intelligence Bulletin 37 - Ethylene Dibromide (EDB) (Revised).

NIOSH Pub. No. 82-105. 16 pp.

Available from NIOSH.

NTIS No. PB-83-101-774

Current Intelligence Bulletin 40 - 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD), Dioxin).

NIOSH Pub. No. 84-104. 26 pp.

Available from NIOSH.

NTIS No. PB-84-198-001

\$15.00

Engineering Control Research Recommendations.

NIOSH Pub. No. 76-180. 216 pp.

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Exposure Tests for Organic Compounds in Industrial Toxicology.

NIOSH Pub. No. 77-144. 148 pp.

NTIS No. PB-274-767

\$23.00

A Guide for Developing a Training Program for Anhydrous Ammonia Workers.

NIOSH Pub. No. 79-119. 93 pp.

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\$19.00

A Guide to Safety in Confined Spaces.

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Health and Safety Guide for Farm and Garden Machinery and Equipment Manufacturers.

NIOSH Pub. No. 76-119. 90 pp.

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Health and Safety Guide for Fluid Milk Processors.

NIOSH Pub. No. 75-152. 80 pp.

NTIS No. PB-273-833

\$17.00

Health and Safety Guide for Grain Mills.

NIOSH Pub. No. 75-144. 98 pp.

NTIS No. PB-267-438

\$17.00

Health and Safety Guide for Manufacturers of Industrial Trucks and Tractors.

NIOSH Pub. No. 78-147. 86 pp.

NTIS No. PB-83-175-422

\$19.00

Health and Safety Guide for Pesticide Formulators.

NIOSH Pub. No. 77-100. 121 pp.

NTIS No. PB-274-717

\$23.00

An Industrywide Industrial Hygiene Study of Ethylene Dibromide.

NIOSH Pub. No. 79-112. 65 pp.

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Job Injuries Among Loggers. NIOSH Pub. No. 83-104. 14 pp.

NTIS No. PB-83-192-971

\$15.00

VIIth International Pneumoconioses Conference, Part I and Part II, August 23-26, 1988, September 1990.

NIOSH Pub. No. 90-108. 1608 pp.

NTIS No. PB-91-188-821 (Part I) \$80.00 NTIS No. PB-91-188-839 (Part II) \$73.00

Microbial Flora and Fauna of Respirable Grain Dust from Grain Elevators.

NIOSH Pub. No. 86-104. 101 pp.

Available from NIOSH.

NTIS No. PB-87-163-523

\$23.00

National Traumatic Occupational Fatalities 1980-1985.

NIOSH Pub. No. 89-116. 35 pp.

Available from NIOSH.

NTIS No. PB-90-127-838

\$15.00

NIOH and NIOSH Basis for an Occupational Health Standard: Grain Dust -- Health Hazards of Storing, Handling, and Shipping Grain.

NIOSH Pub. No. 89-126. 63 pp.

Available from NIOSH.

NTIS No. PB-90-160-102

\$17.00

Occupational Diseases: A Guide to Their Recognition (Revised).

NIOSH Pub. No. 77-181. 619 pp.

Available from NIOSH.

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Occupational Health and Safety for Agricultural Workers.

NIOSH Pub. No. 77-150. 140 pp.

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Occupational Safety and Health Symposia (September 29-30, 1975).

NIOSH Pub. No. 76-136. 238 pp.

NTIS No. PB-266-445

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Occupational Safety in Grain Elevators and Feed Mills.

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Pesticide Residue Hazards to Farm Workers: Symposium.

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A Retrospective Survey of Cancer in Relation to Occupation.

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Rural Health Study in Minnesota 1976-1977.

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Self-Evaluation Instrument--Nitrogen Fertilizer Industry.

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Self-Evaluation Instrument--Phosphate Fertilizer Industry.

NIOSH Pub. No. 80-129. 190 pp.

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Self-Evaluation of Occupational Safety and Health Programs.

NIOSH Pub. No. 78-187. 117 pp.

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Special Occupational Hazard Review for Aldrin/Dieldrin.

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NIOSH Pub. No. 78-200. 214 pp.

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Study of the Prevalence of Chronic Non-Specific Lung Disease and Related Health Problems in the Grain Handling Industry.

NIOSH Pub. No. 86-117. 360 pp.

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Supplement and Index to Grain-Dust Fire and Explosion Bibliography,

November 1976 - May 1978.

NIOSH Pub. No. 78-183. 111 pp.

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Worker Safety in Logging Operations.

NIOSH Pub. No. 74-103. 268 pp.

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Working Safely With Pesticides.

NIOSH Pub. No. 76-147. 38 pp.

NTIS No. PB-266-506

\$15.00

Work Practices Guide For Manual Lifting.

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CONTRACT REPORTS are generated primarily from a contractual agreement between NIOSH and a non-government organization. They typically describe scientific research conducted by that organization for NIOSH.

Abstracts of Selected Research: Reproductive Hazards in the Workplace.

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Contract No. 099-74-0027. 123 pp.

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An Analysis of Worker's Compensation Case Data in Agriculture.

Contract No. 099-74-0110. 219 pp.

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Assessment of Leaf Surface Residues for Selected Organophosphorus Insecticides.

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NTIS No. PB-85-111-623

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A Comparison of Worker's Compensation Agricultural Data and the Farm Accident Survey in California, February 1973-January 1974.

Contract No. 210-76-0153. 80 pp.

NTIS No. PB-83-127-530

\$17.00

Conference on Agricultural Health and Safety, Proceedings of Symposium, Iowa City, Iowa, September 4-5, 1974.

Contract No. 099-74-0098. 260 pp.

NTIS No. PB-82-153-198

\$31.00

Control Technology Assessment of the Pesticides Manufacturing and Formulating Industry. Contract No. 210-77-0093. 671 pp.

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\$60.00

Health Hazard Control in the Pesticide Formulating and Manufacturing Industry - Symposium Proceedings, St. Louis, MO, December 2-3, 1980.

Contract No. 210-80-0068. 180 pp.

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Information Profiles on Potential Occupational Hazards - Vol. III, Industrial Processes (The Fertilizer Industry).

Contract No. 210-78-0019. 44 pp.

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Mortality Study of Pesticide Manufacturers/Formulators: Documentation of the Montrose Chemical Corp., Torrence, CA (Cohort).

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Mortality Study of Pesticide Manufacturers/Formulators: Documentation of Shell Chemical Co., Denver, CO (Cohort).

Contract No. 210-76-0173. 129 pp.

NTIS No. PB-82-214-131

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Mortality Study of Pesticide Manufacturers/Formulators: Documentation of the Velsicol Chemical Co., Marshall, IL (Plant).

Contract No. 210-76-0173. 104 pp.

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Mortality Study of Pesticide Manufacturers/Formulators: Documentation of the Velsicol Chemical Company, Memphis, TN (Cohort).

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Aflatoxin Exposures of Agricultural Workers.

Grant No. R01-OH-00796. 3 pp. NTIS No. PB-88-248-299

\$ 9.00

Agricultural Tractor Operator Protection, Summary Report, April 1977.

Grant No. R01-0H-00424. 188 pp.

NTIS No. PB-89-229-983

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Assessment of Respirators Among Agricultural Workers.

Grant No. R01-OH-01650. 73 pp.

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Association of Leukemia with Agricultural Operations.

Grant No. R01-OH-00525. 4 pp.

NTIS No. PB-88-206-032

\$9.00

Case Report: Chronic Nervous System Disability-Evaluation of the Role of Organophosphate Pesticides. Ducatman A, Moyer T, Amundsen M [1982]. American Association for Clinical Chemistry, Washington, D.C. July 8 pp. Grant No. T15-OH-07098

The Effects of Chlordane, DDT, and 3-Methylcholanthrene upon the Metabolism and Toxicity of Diethyl-4-nitrophenyl. Chapman S, Leibman K [1971]. Toxicology and Applied Pharmacology 18:977-987.

Grant No. R01-OH-00316.

Explosion Hazards Related to Grain and Feed Dusts, March 1988.

Grant No. R01-OH-01122. 54 pp.

NTIS No. PB-89-131-197

\$19.00

Exposure Assessment, Epidemiological Overview, Minimizing Occupational Exposure to Pesticides.

Grant No. R01-OH-00626. 20 pp.

NTIS No. PB-88-247-069

\$17.00

Farmer's Lung - An Experimental Investigation.

Grant No. R01-OH-00306. 18 pp.

NTIS No. PB-90-115-056

\$17.00

A Field Test of a Procedure for the Identification of Protein-Bearing Particles in Grain Elevator Air. Buchan R, Kramer G [1980]. Analytical Techniques in Occupational Health Chemistry, ACS Symposium Series No. 120, pp. 301-307. Grant No. R01-OH-07039.

Final Progress Report, Fluorescent Tracers and Pesticides. Grant No. R01-OH-01234. 7 pp.

NTIS No. PB-89-102-966

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Fractionation and Chemical Characterization Studies on *Micropolyspora faeni* Antigens. Roberts R [1974]. Annals of the New York Academy of Sciences <u>221</u>:199-204. Grant No. R01-OH-00306.

Getting the Message to the Farmer. McJilton C, Aherin R [1982]. Journal of American Industrial Hygiene Association 43(6):469-471. Grant No. T15-OH-07098.

Interactions of Neurotoxicants with Neurotransmitter Systems. Costa L [1988]. Toxicology 49:359-366.

Grant No. K01-OH-00054.

International Association of Agricultural Medicine.

Grant No. R13-OH-00694. 437 pp.

NTIS No. PB-88-247-044

\$50.00

Minimizing Dermal Exposure to Pesticides in Greenhouses, Final Performances Report. Grant No. K01-OH-00063. 31 pp.

NTIS No. PB-92-121-623

\$17.00

A New Approach to Collecting Farm Accident Data. Murphy D, Huizinga M [1989]. Journal of Safety Research 20(1):21-29. Grant No. R03-OH-02236.

Nonuniform Dermal Deposition Patterns during Occupational Exposure to Pesticides. Archives of Environmental Contamination and Toxicology 19:332-337. Grant No. R01-OH-01234.

Occupational Exposure to Organophosphorous Compounds. Terminal Progress Report. Grant No. R01-OH-00368. 6 pp.

NTIS No. PB-89-221-048

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Occupational Risks of Pesticide Exposure for Females. Grant No. R01-OH-00835. 33 pp. NTIS No. PB-89-200-943 \$17.00

Occupational Risks of Pesticide Exposure for Females. Grant No. R01-OH-00835. 13 pp. NTIS No. PB-84-241-645 \$17.00 The Phosphoinositide/Protein Kinase C System as a Potential Target for Neurotoxicity. Costa L [1990]. Pharmacological Research 22(4):393-408. Grant No. K01-OH-00054.

Reproductive Alterations Induced by Exposure of Mice to Methoxychlor During Pregnancy. Swartz W, Corkern M [1991]. Anatomical Record <u>229</u>:87A. Grant No. R01-OH-00835.

Respiratory Disease Hazards of Swine Confinement Workers. Grant No. R01-OH-00825. 164 pp. NTIS No. PB-84-241-512 \$26.00

Respiratory Hazards of Poultry Workers. Grant No. R01-OH-02029. 77 pp. NTIS No. PB-91-173-674 \$19.00

Serologic Studies in Farmer's Lung. Wenzel F, Gray R, Roberts R, Emanuel D [1974]. American Review of Respiratory Diseases 109:464-468. Grant No. R01-OH-00306. 5 pp.

Serum Immunoglobulin Levels in Farmer's Lung Disease. Roberts R, Wenzel F, Emanuel D [1973]. Journal of Allergy and Clinical Immunology <u>52</u>(5):297-302. Grant No. R01-OH-00306.

Similitude Modeling of ROPS Overturn Tests. Grant No. R01-OH-00424. 47 pp. NTIS No. PB-90-129-420 \$17.00

A Simplified Hemagglutination Test for Farmer's Lung. Wenzel F, Emanuel D, Gray R [1972]. American Journal of Clinical Pathology <u>57(2)</u>:206-208. Grant No. R01-OH-00306.

Simulation of Tractor Accidents and Overturns. Rehkugler G, Kumar V, Davis D [1976]. Transactions of the ASAE 19(4):602-613. Grant No. R01-OH-00424.

Tractor Stability Information Processing Information System. Grant No. R03-OH-02236. 59 pp. NTIS No. PB-91-197-384 \$19.00

CONTROL TECHNOLOGY REPORTS evaluate effective health hazard control systems and promote the widespread use of these systems through symposia and publications. The field studies begin with preliminary or walk-through surveys to evaluate control systems subjectively to identify those worthy of in-depth study. Generally, few if any air sampling or ventilation measurements are taken during these surveys. In-depth surveys are performed to provide a detailed evaluation of selected control systems. Normally, extensive air samples and ventilation measurements are taken. Work practices and use of personal protective equipment are documented. Also, use of continuous workplace monitoring is noted.

FRP Tank Manufacture, FMC Corp., Jonesboro, AR, June 17, 1985. CT/150.11a. 14 pp.

NTIS No. PB-86-144-649

\$17.00

In-Depth Survey Report: Control Technology for a Dry Chemical Bagging and Filling Operation at Monsanto (Monsanto Agricultural Products Co.), Muscatine, IA. March 1983.

CT/112.13b. 36 pp.

NTIS No. PB-84-145-788

\$15.00

Mercury Control Technology Assessment Study, Cosan Chemical Corporation, Carlstadt, NJ, June 16-17, 1982.

CT/109.19a. 21 pp.

NTIS No. PB-84-171-676

\$15.00

Walk-Through Survey Report of the Bagging Operation at Tennessee Valley Authority's National Fertilizer Development Center, Muscle Shoals, AL,

December 15, 1981.

CT/112.14a. 6 pp.

NTIS No. PB-89-130-041

\$11.00

Walk-Through Survey Report of the Pesticide/Herbicide Bagging Operation at Monsanto Agricultural Products Company, Muscatine, IA, June 24, 1981.

CT/112.13a. 9 pp.

NTIS No. PB-84-186-022

The HAZARD EVALUATIONS AND TECHNICAL ASSISTANCE (HETA) program of NIOSH provides, upon request, medical, nursing, and industrial hygiene technical and consultative assistance to federal, state, and local agencies; labor; industry; and other groups or individuals to control occupational hazards and to prevent related trauma or disease. Please note that each report discusses the conditions only at the specific worksite evaluated.

Agricultural Commissioner, San Luis Obispo County, Paso Robles, CA,

May 1984.

HHE No. 83-385-1469. 13 pp.

NTIS No. PB-85-185-346

\$15.00

American Federation of Grain Millers, Local 118, Superior, WI, January 1985.

HHE No. 84-194-1549. 10 pp.

NTIS No. PB-86-105-400

\$11.00

AMFAC Garden Perry's, Carpenteria, CA, May 1984.

HHE No. 83-361-1463. 12 pp.

NTIS No. PB-85-185-569

\$15.00

Andrew Jackson Junior High School, Cross Lanes, WV, February 1991.

HHE No. 89-183-2101. 81 pp.

NTIS No. PB-91-212-571

\$19.00

BASF Wyandotte Corp., Rensselaer, NY, January 1985.

HHE No. 80-008-1546. 31 pp.

NTIS No. PB-86-105-343

\$15.00

Brown's Bridge Animal Hospital, Gainesville, GA, September 1984.

HHE No. 83-373-1501. 15 pp.

NTIS No. PB-85-220-820

\$15.00

Bunge Corporation, Decatur, AL, August 1987.

HHE No. 84-477-1824. 48 pp.

NTIS No. PB-88-162-649

\$15.00

Bureau of Reclamation, U.S. Dept. of the Interior, Denver, CO, January 1985.

HHE No. 83-341-1557. 26 pp.

NTIS No. PB-86-105-350

\$15.00

Calhio Chemicals, Inc., Perry, OH, June 1976.

HHE No. 74-093-296. 13 pp.

NTIS No. PB-89-166-334

\$15.00

Calhio Chemical Company, Perry, OH, March 1982.

HHE No. 80-147-1076. 15 pp.

NTIS No. PB-83-199-463

Canyon De Chelly National Monument, Chinle, AZ, June 1986.

HHE No. 85-527-1704. 16 pp.

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IW/080.15. 11 pp.

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IW/149.13. 31 pp.

NTIS No. PB-86-237-245

\$15.00

In-Depth Survey Report of Scoular Elevator, Salina, KS, November 10-13, 1986.

IW/149.18. 41 pp.

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