

PALMERTON ZINC PILE OUI (BLUE MOUNTAIN)
ADMINISTRATIVE RECORD FILE * **
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I. SITE IDENTIFICATION

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2. U.S. EPA Potential Hazardous Waste Site Identification Form, 5/28/80. P. 100208-100208.
3. Report: A Preliminary Assessment of New Jersey Zinc at Palmerton, PA, 2/7/80. P. 100209-100246.
4. Report: Field Investigations of Uncontrolled Hazardous Waste Sites Report on Palmerton Zinc Company, Palmerton, Pennsylvania, 2/19/81. P. 100247-100291.

* Administrative Record available 7/31/87, updated 10/29/90.

** Note: Company or organizational affiliation is identified in the index only when it appears in the record.

II. REMEDIAL ENFORCEMENT PLANNING

1. Letter to Mr. William E. Flaherty, New Jersey Zinc Company, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Public funds, 8/1/79. P. 200001-200004.
2. Letter to Mr. Martin Davis, Gulf & Western Industries, Inc., from Mr. Stephen Wassersug, U.S. EPA, re: Public funds, 8/1/84. P. 200005-200008.
3. U.S. EPA Administrative Order by Consent In the Matter Of: Palmerton Zinc Site, 9/24/85. P. 200009-200031. The Scope of Work is attached.

III. REMEDIAL RESPONSE PLANNING

1. Report: Work Plan, Remedial Investigation/ Feasibility Study of Alternatives, prepared by NUS Corporation, 8/84. P. 300001-300090.
2. Letter to Ms. Linda Paul, NUS Corporation, from Mr. Edward Shoener, U.S. EPA, re: Palmerton Zinc project status, 1/29/85. P. 300091-300092.
3. Interagency Agreement between U.S. EPA and U.S. Department of Agriculture Soil Conservation Service, 7/1/85. P. 300093-300095.
4. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. John A. Oyler, U.S. Department of Agriculture, re: Literature review, 8/27/85. P. 300096-300198. A literature review is attached to letter.
5. Interagency Agreement between U.S. EPA and U.S. Department of Agriculture Soil Conservation Service, 8/1/85. P. 300199-300201.
6. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. John A. Oyler, U.S. Department of Agriculture, re: Progress reports for six specific tasks, 10/4/85. P. 300202-300211. AERO-SPREAD advertisements and photographs are attached to letter.
7. Report: Feasibility Study for the Revegetation of Blue Mountain at the New Jersey Zinc Company Plant at Palmerton, Pennsylvania, by Mr. William E. Sopper, 12/85. P. 300212-300230.
8. Letter to Mr. Gene Lucero, U.S. EPA, from Mr. Bruce Blanchard, U.S. Department of Interior, re: Preliminary natural resources survey, 12/20/85. P. 300231-300232.
9. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. Robert Heidecker, U.S. Department of Agriculture, re: Phase I Feasibility Study, 1/2/86. P. 300233-300237. A Proposed Greenhouse Study and a proposed budget are attached.

10. Report: Application for an Experimental Permit to Evaluate the Use of Sludge/Fly Ash Mixtures to Facilitate Revegetation of Blue Mountain at Palmerton, PA, prepared by William E. Sopper, 1/86. P. 300238-300261.
11. Interagency Agreement between U.S. EPA and U.S. Department of Agriculture Soil Conservation Service, 2/11/86. P. 300262-300264.
12. Interagency Agreement between U.S. EPA and U.S. Department of Agriculture Soil Conservation Service, 2/11/86. P. 300265-300267.
13. Letter to Mr. Joe McMahon, Allentown Wastewater Treatment Plant from Mr. Russell M. Smith, PSC Environmental Services, re: Borough of Palmerton sludge disposal permit, 2/19/86. P. 300268-300271. ASW Environmental Consultants Inc. laboratory results are attached to letter.
14. Letter to Mr. Russell M. Smith, PSC Environmental Services Incorporated, from Mr. Joseph M. McMahon III, re: New Jersey Zinc land reclamation, 3/21/86. P. 300272-300272.
15. Letter to Mr. Bob Heidecker, U.S. Soil Conservation Services, from Mr. Ed Shoener, U.S. EPA, re: Pennsylvania DER permit, 4/16/86. P. 300273-300273.
16. Report: Palmerton Zinc Site National Priorities List Site Atmospheric Deposition Analysis of Cadmium, Zinc, Lead, and Copper in the Vicinity of the New Jersey Zinc Palmerton Facility, prepared by Alan J. Cimorelli, U.S. EPA, 5/86. P. 300274-300387.
17. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. Joseph M. McMahon III, Allentown Department of Public Works, re: Experimental land reclamation requirements for the Blue Mountain at New Jersey Zinc, 5/2/86. P. 300388-300419. The following are attached to the letter:
 - a) a solid waste form;
 - b) Standards for Experimental Facilities;
 - c) a topographical map;
 - d) a waste water hauling log;
 - e) a letter regarding sewage sludge permit.

18. Letter to Mr. Ed Shoener, U.S. EPA, from James H. Olson, U.S.D.A, re: Budget for Phase III, 5/5/86. P. 300420-300421. Budget is attached to letter.
19. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. Joseph M. McMahon III, Allentown Department of Public Works, re: Temporary storage of waste water residuals, 5/5/86. P. 300422-300422.
20. Letter to Mr. Joseph M. McMahon III, Allentown Department of Public Works, from Mr. Ed Shoener, U.S. EPA, re: Temporary storage of waste water residuals, 5/8/86. P. 300423-300423.
21. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. Joseph M. McMahon III, Allentown Dept. of Public Works, re: Allentown/Palmerton sludge for Cinder Bank revegetation, 6/13/86. P. 300424-300426. A page of sludge application rate calculations is attached.
22. U.S. EPA Commitment Notice for Region III Enforcement Oversight, 6/20/86. P. 300427-300427.
23. Report: A Preliminary Survey of Contaminants in Fish in the Vicinity of Two Zinc Smelters at Palmerton, Carbon County, Pennsylvania, prepared by David J. Putnam and Cynthia L. Rice, 7/86. P. 300428-300477.
24. Report: Evaluation of Sludge-Fly Ash Mixtures as Potential Amendments to Facilitate Revegetation of Palmerton Blue Mountain, prepared by Mr. William E. Sopper, Pennsylvania State University, 7/86. P. 300478-300528.
25. U.S. EPA Interagency Agreement between U.S. EPA and the U.S. Department of Agriculture Soil Conservation Service, 8/1/86. P. 300529-300532.
26. Report: Installation of Field Plots on Palmerton Blue Mountain to Evaluate the Use of Sludge-Fly Ash Mixtures as an Amendment to Facilitate Vegetation Establishment, prepared by Mr. William E. Sopper, Pennsylvania State University, 8/86. P. 300533-300561.

27. Report: Evaluation of the First Year Effects of the Sludge-Fly Ash Amendments of Surface Soil Chemical Properties and Vegetation Growth Responses, by Mr. William E. Sopper, Pennsylvania State University, 12/86. P. 300562-300616.
28. Memorandum to Mr. J. Winston Porter, U.S. EPA, from Mr. James Seif, U.S. EPA, re: Delegation of remedy selection, 2/10/87. P. 300617-300618. The delegation briefing is attached.
29. Memorandum to Regional Administrators from Mr. J. Winston Porter, U.S. EPA, re: Eleventh Remedy Delegation, 3/26/87. P. 300619-300621.
30. Report: Palmerton Zinc Superfund Site Blue Mountain Project, prepared by U.S. EPA, 4/87. P. 300622-300858.
31. Report: Evaluation of Sludge - Fly Ash Mixtures as Potential Amendments to Facilitate Revegetation of Blue Mountain; A Literature Review, prepared by Mr. John A. Oyler, U.S. Department of Agriculture, (undated). P. 300859-300921.
32. Declaration for the Record of Decision, Palmerton Zinc Superfund Site, 9/4/87. P. 300922-300956.

V. COMMUNITY INVOLVEMENT

1. Letter to Mr. Stephen Wassersug, U.S. EPA, from Mr. Steve Borbe, re: Alleged pollution caused by New Jersey Zinc Company, 3/27/84. P. 500001-500001.
2. Letter to Mr. Stephen Wassersug, U.S. EPA, from Mr. Steve Borbe, re: A request for testing at Palmerton, 5/14/84. P. 500002-500002.
3. Letter to Mr. Steve Borbe from Mr. Stephen Wassersug, U.S. EPA, re: Work plans from water, soil, and vegetation studies at Palmerton, 5/31/84. P. 500003-500004.
4. Letter to Mr. Stephen Wassersug, U.S. EPA, from Mr. Steve Borbe, re: Water, soil, and air testing of Palmerton area, 6/13/84. P. 500005-500006. A copy of a photo is attached.
5. Letter to Mr. Stephen Wassersug, U.S. EPA, from Mr. Steve Borbe, re: Soil and groundwater testing results, 9/12/84. P. 500007-500007.
6. Fact sheet on Palmerton Zinc Site, 10/84. P. 500008-500009.
7. Press release from U.S. EPA, re: Public meeting on Palmerton work plan, 10/2/84. P. 500010-500010.
8. Letter to Mr. Steve Borbe from Ms. Mary Anne Daly, U.S. EPA, re: Analysis of water sample at Borbe's house, 10/3/84. P. 500011-500012. Laboratory analysis report is attached to letter.
9. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. James J. Rhoades, Senate of Pennsylvania, re: Burden on local economy, 10/9/84. P. 500013-500014.
10. Letter to Mr. William Bechdolt, New Jersey Zinc Co., from Mr. John Kasten, Borough of Palmerton, re: Burden on local economy, 10/9/84. P. 500015-500015.
11. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Albert U. Koch, Mr. Charles E. Wildoner, and Mr. Dean D. W. Delong, Carbon County Commissioner's Office, re: EPA actions at the site, 10/9/84. P. 500016-500018.

12. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Clifford Jones, Pennsylvania Chamber of Commerce, re: Support of New Jersey Zinc Company, 10/10/84. P. 500019-500020.
13. Handwritten letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Joe S. Ebeley, re: Support of New Jersey Zinc Company, 10/13/84. P. 500021-500021.
14. Handwritten letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Lester Grady, re: Use of public funds, 10/15/84. P. 500022-500023.
15. Handwritten letter to Mr. Joe Donovan, U.S. EPA, from Mrs. Charlotte K. Fuller re: EPA meeting, 10/15/84. P. 500024-500027.
16. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Bill Bechdolt, Economic Development Council of N.E. Pennsylvania, re: The RI/FS, 10/15/84. P. 500028-500029.
17. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Frederich Schanstine, re: EPA actions at the site, 10/19/84. P. 500030-500032.
18. Letter to the Honorable John Heinz, U.S. Senate, from Mr. Albert U. Koch, Carbon County Commissioner's Office, re: The RI/FS, 10/19/84. P. 500033-500034.
19. Letter to Senator Arlen Specter, U.S. Senate, from Mr. Albert Koch, Carbon County Commissioner's Office, re: The RI/FS, 10/19/84. P. 500035-500036.
20. Letter to Senator Arlen Specter, U.S. EPA, from Mr. Frederick Schanstine, re: Use of public funds, 10/22/84. P. 500037-500037.
21. Letter to Mr. Thomas Eichler, U.S. EPA, from Ms. Janet Snyder, re: Support of EPA actions at site, 10/24/84. P. 500038-500039.
22. Letter to Mr. Stephen Wassersug, U.S. EPA, from Mr. Steve Borbe, re: Support of unbiased study, 10/24/84. P. 500040-500040.

23. Handwritten letter to Mr. Joe Donovan from Mr. M. Luther Fuller, re: Concern for site actions, 10/26/84. P. 500041-500041.
24. Handwritten letter to U.S. EPA from Mr. Albert Serpes, re: Support of testing in the area, 10/29/84. P. 500042-500043.
25. Letter to Mr. Thomas P. Eichler, U.S. EPA, from Mr. Anthony J. Duffy, United Steelworkers Union, re: Questioning need for EPA testing at Palmerton, 10/30/84. P. 500044-500045.
26. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. James North, re: Support of New Jersey Zinc Company, 11/5/84. P. 500046-500046.
27. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. James N. Ord, re: Work Plan, 11/6/84. P. 500047-500049.
28. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Robert Miller, re: Support of New Jersey Zinc Company, 11/7/84. P. 500050-500051.
29. Letter to Mr. Thomas Eichler, U.S. EPA, from Dr. Stanley Cope, M.D., re: Medical comments on site, 11/7/84. P. 500052-500053.
30. Letter to Messrs. Koch, Wildoner and Delong, Carbon County Board of Commissioners, from Mr. Thomas Eichler, U.S. EPA, re: The Palmerton Remedial Investigation/Feasibility Study, 11/8/84. P. 500054-500055.
31. Letter to Mr. Thomas P. Eichler, U.S. EPA, from Ms. Barbara Spadt, re: A proposed study, 11/8/84. P. 500056-500057.
32. Letter to Mr. Thomas P. Eichler, U.S. EPA, from Mr. John Brown, re: Palmerton Remedial Investigation/Feasibility Study, 11/8/84. P. 500058-500059.

33. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Keith McCall, House of Representatives, re: Support of New Jersey Zinc Company, 11/8/84. P. 500060-500060.
34. Letter to Ms. Judith A. Dorsey, U.S. EPA, from Mr. W. R. Bechdolt, re: Draft work plan, 11/9/84. P. 500061-500065. The draft work plan is attached.
35. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Gerald W. Noll, re: Support of New Jersey Zinc Company, 11/9/84. P. 500066-500066.
36. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Ronald Mihalko, Palmerton Area School District, re: Support of New Jersey Zinc Company, 11/16/84. P. 500067-500067.
37. Letter to Mr. Thomas Eichler, U.S. EPA, from Jeffrey Zackon, S.S. Palmer Middle School, re: Support of New Jersey Zinc Company, 11/20/84. P. 500068-500068.
38. Letter to Mr. Howard Grossman, Economic Development Council of N.E. Pennsylvania, from Mr. Thomas Eichler, U.S. EPA, re: Response to his letter of concern, 11/20/84. P. 500069-500069.
39. Letter to Mr. Thomas Eichler, U.S. EPA, from Mr. Rodney L. Borger, Palmerton Area School District, re: Support of New Jersey Zinc Company, 11/27/84. P. 500070-500070.
40. Letter to the Honorable Gus Yatron, House of Representatives, from Mr. Thomas Eichler, U.S. EPA, re: Letter from Commissioner Albert Koch, 11/29/84. P. 500071-500071.
41. Letter to the Honorable Keith McCall, House of Representatives, from Mr. Thomas Eichler, re: The Palmerton Remedial Investigation/Feasibility Study, 12/4/84. P. 500072-500072.
42. Letter to Congressional Liaison, U.S. EPA, from Senator Arlen Specter, U.S. Senate, re: Public inquiries and communications, 12/14/84. P. 500073-500075. Two letters requesting information are attached.

43. Letter to Mr. Thomas P. Eichler, U.S. EPA, from Mr. Albert U. Koch, Mr. Charles E. Wildoner, and Mr. Dean D.W. DeLong, Carbon County Commissioners Office, re: Accelerated program of revegetation of the cinder bank and an expert panel for the RI/FS, 12/20/84. P. 500076-500078. A response letter is attached.
44. Letter to Senator Arlen Specter, U.S. Senate, from Mr. Thomas Eichler, U.S. EPA, re: The expression of thanks for letters from the public, 1/23/85. P. 500079-500079.
45. Letter to Senator Arlen Specter, U.S. Senate, from Stanley Laskowski, U.S. EPA, re: Letter sent to County Commissioners, 2/15/85. P. 500080-500080.
46. Press release from U.S. EPA, re: Consent Order with New Jersey Zinc and Gulf and Western, 10/11/85. P. 500081-500082.
47. Press release from U.S. EPA, re: Remedial Investigation/Feasibility Study (RI/FS) of Palmerton Zinc Site, 5/21/87. P. 500083-500083.
48. Press release from Mr. Bruce Conrad, Carbon County Office of Planning and Development, re: Remedial Investigation/Feasibility Study of Palmerton Zinc Site, 5/22/87. P. 500084-500084.
49. Public Notice, re: Public meeting at Palmerton, 6/15/87. P. 500085-500085.
50. Letter to Ms. Nanci L. Sinclair, U.S. EPA, from Mr. Steve Borbe, re: Meeting at Aquashicola Fire Hall, 6/22/87. P. 500086-500086.
51. Letter to Ms. Nanci L. Sinclair, U.S. EPA, from Mrs. Pauline Latzgo and Mr. Larry Latzgo, re: Meeting at Aquashicola Fire Hall, 6/28/87. P. 500087-500087.
52. Handwritten letter to Ms. N. L. Sinclair, U.S. EPA, from Mr. Allen Green, re: Meeting at Aquashicola Fire Hall, 6/28/87. P. 500088-500088.

53. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. James F. Allen, Squire, Sanders & Dempsey, re: Meeting at Aquashicola Fire Hall, 6/29/87. P. 500089-500101. A letter dated July 16th, 1984, is attached.
54. Letter to Mr. Ed Shoener, U.S. EPA, from Mr. Larry Latzgo, re: Meeting at Aquashicola Fire Hall, 7/5/87. P. 500102-500102.

SITE SPECIFIC GUIDANCE DOCUMENTS

1. "Contamination of Soil and Vegetation near a Zinc Smelter by Zinc, Cadmium, Copper, and Lead," by Marilyn J. Buchauer, 1973.
2. "Influence of Effluents from a Zinc Factory on Lichens," by Thomas H. Nash III, 1975.
3. "Effects of Zinc-Smelter Emissions on Forest Soil Microflora," by Marilyn J. Jordan, et al, 7/28/75.
4. "Effects of Zinc Smelter Emissions and Fire on a Chestnut-Oak Woodland," by Marilyn J. Jordan, 1975.
5. "A Nationwide Survey of Heavy Metal Absorption in Children Living Near Primary Copper, Lead and Zinc Smelters," by Edward L. Baker, et al, 1977.
6. "Forest Leaf Litter Decomposition in the Vicinity of a Zinc Smelter," Carl L. Strojjan, 1978.
7. "The Impact of Zinc Smelter Emissions on Forest Litter Anthropods," by Carl L. Strojjan, 1978.
8. "Environmental Zinc and Cadmium Pollution Associated with Generalized Osteochondrosis, Osteoporosis, and Nephrocalcinosis in Horses," by Diane E. Gunson, et al, 1982.
9. "Lung Cancer in Relation to Environmental Pollutants Emitted from Industrial Sources," by Linda Morris Brown, et al, 1984.
10. "Use and Disposal of Municipal Wastewater Sludge," by the U.S. EPA, 9/84.
11. "Heavy Metals in White-tailed Deer Living near a Zinc Smelter in Pennsylvania," by L. Sileo and W.N. Beyer, 5/30/84.
12. "Contamination of the O2 Soil Horizon by Zinc Smelting and its Effect on Woodlouse Survival," by W. N. Beyer, et al, 1984.

13. "Heavy Metals in Cottontail Rabbits on Mined Lands Treated with Sewage Sludge," by R. L. Dressler, et al, 7/86.
14. "Interim Guidelines for Sewage Sludge Use for Land Reclamation," by Pennsylvania Department of Environmental Resources, (undated).
15. "Heavy Metal Exposure in Populations Living around Zinc and Copper Smelters," by Tyler D. Hartwell, et al, (undated).
16. Summary of Enclosed Studies on the Palmerton Area, (undated).