

M-765

Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for the Maywood Site, New Jersey



**US Army Corps
of Engineers®**



FEB 10 1999

Science Applications International Corporation
An Employee-Owned Company

2380.19990205.002

February 5, 1999

Bechtel National
100 West Hunter Avenue
Maywood, NJ 07607

Attention: Ms. Liz Rudek

SUBJECT: Maywood Site Reference Documents

Dear Ms. Rudek,

Attached is a compilation of the references used in developing the Maywood Site Feasibility Study (FS) and Proposed Plan (PP). References which are in the Administrative Record File (ARF) are indicated with corresponding document numbers. References which are not in the ARF can be obtained from the sources listed in the "Comments" column. Hard copies of five SAIC-generated reference documents are enclosed for inclusion in the ARF.

Please call me at (423)481-4703 if you have any questions regarding this submittal.

Sincerely,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION


Heather Cothron
Project Manager

HMC:mm

Enclosures

c.c.: Glen Shonkwiler, USACE
Natalae Tillman, USACE
David Schlick, BNI
Heather Cothron, SAIC
Theresa Patterson, SAIC
Mike Poligone, SAIC
Judy Van Winkle, SAIC
Mary Muchane, SAIC

MAYWOOD SITE REFERENCE DOCUMENTS

DOCUMENT TITLE	IN MAYWOOD ADMINISTRATIVE RECORD FILE (ARF) ¹	DOCUMENT #	COMMENTS
SAIC DOCUMENTS			
Day, C.G. 1992. Letter from C.G. Day (Supervisor, U.S. Fish and Wildlife Service, Pleasantville, New Jersey) to R.E. Ambrose (Science Applications International Corporation, Oak Ridge, TN), February 18.	NO		Hard copy for ARF sent to Bechtel on 2/5/99
DOE 1993. <i>Baseline Risk Assessment for the Maywood Site</i> , DOE/OR/21950-003, prepared for U.S. Department of Energy (Oak Ridge Operations) by Science Applications International Corporation, Oak Ridge, TN, March.	YES	M-225 CCN 102307	
SAIC (Science Applications International Corporation) 1996. <i>Stage IA Archaeological and Historical Study of the Maywood Site</i> , Final - Rev. 1, July.	NO		Hard copy for ARF sent to Bechtel on 2/5/99
Sanford Cohen & Associates (SC&A) 1997. <i>Characterization and Treatability Studies of Subsurface Soil Samples from the Maywood FUSRAP Site</i> , April.	NO		Hard copy for ARF sent to Bechtel on 2/5/99
USACE 1998. <i>Maywood Soils Grouping Report Volume I and II</i> , Maywood, New Jersey, Final, January.	NO		Hard copy for ARF sent to Bechtel on 2/5/99
Williams, E.A. 1991. Letter from E.A. Williams (Senior Planner, New Jersey Natural Heritage Program, New Jersey Department of Environmental Protection, Trenton, NJ) to D. Spiers (Science Applications International Corporation, Golden, CO), October 25.	NO		Hard copy for ARF sent to Bechtel on 2/5/99

¹ Last updated May 1998.

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DOCUMENT TITLE	IN MAYWOOD ADMINISTRATIVE RECORD FILE (ARF) ¹	DOCUMENT #	COMMENTS
BECHTEL DOCUMENTS			
BNI (Bechtel National, Inc.) 1992. <i>Remedial Investigation Report for the Maywood Site, Maywood, New Jersey</i> , DOE/OR/21949-337, prepared for U.S. Department of Energy, Oak Ridge Operations Office, under Contract No. DE-AC05-91OR21949, December.	YES	M-209 DOE/OR/21949-337	
BNI 1995. <i>Community Relations Plan for the Proposed Remedial Action at the Maywood Site</i> , DOE/OR/21949-193.2, prepared for U.S. Department of Energy, Oak Ridge Operations Office, under Contract No. DE-AC05-91OR21949, November.	YES	M-514 CCN 136849	
BNI 1997. <i>Volume Register for FUSRAP and SFMP Sites</i> , VR-001, Revision 11, February.	NO	191-TOA-GAM-00005	Available from Bechtel's PDCC (Project Document Control Center) (423)220-2270
DOE (U.S. Department of Energy) 1987. <i>Characterization Report for the Sears Property, Maywood, New Jersey</i> , DOE/OR/20722-140, prepared for U.S. Department of Energy (Oak Ridge Operations) by Bechtel National, Inc., Oak Ridge, TN, May.	YES	M-118 CCN 045048	
DOE 1992. <i>Work Plan-Implementation Plan for the Remedial Investigation/Feasibility Study-Environmental Impact Statement for the Maywood Site, Maywood, NJ</i> , DOE/OR-20722-193.1, prepared for U.S. Department of Energy (Oak Ridge Operations) by Argonne National Laboratory and Bechtel National, Inc., Oak Ridge, TN, November.	YES	M-217 CCN 098273	
DOE 1993. <i>Maywood Interim Storage Site Environmental Report for Calendar Year 1992</i> , DOE/OR/21949-364, prepared for U.S. Department of Energy (Oak Ridge Operations) by Bechtel National, Inc., Oak Ridge, TN, May.	YES	M-254 CCN 106284	

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DOCUMENT TITLE	IN MAYWOOD ADMINISTRATIVE RECORD FILE (ARF) ¹	DOCUMENT #	COMMENTS
DOE 1994. <i>Results of Radon and Gamma Radiation Measurements At 19 Commercial and Governmental Properties of the Maywood Site, Maywood, New Jersey, DOE/OR/21949-385, August.</i>	YES	M-698 CCN 120721 & CCN 117912	
DOE 1995. <i>Engineering Evaluation/Cost Analysis for the Cleanup of Residential and Municipal Vicinity Properties at the Maywood Site, Bergen County, New Jersey, September.</i>	YES	M-406 CCN 134427	
DOE 1996. Letter from S.M. Cange (Site Manager, Former Sites Restoration Division, U.S. Department of Energy) to A. Carpenter (Project Manager, Federal Facilities Section, U.S. Environmental Protection Agency, Region II). Subject: <i>Maywood Site Properties - I-80 Right of Way Excavation, March 29.</i>	YES	M-588 CCN 140638	
Thermo NUtech 1997. <i>Final Report for the Segmented Gate System at the Department of Energy Formerly Utilized Sites Remedial Action Program New Brunswick Site, January.</i>	NO		Available from Bechtel's PDCC (Project Document Control Center) (423)220-2270
STEPAN DOCUMENTS			
CH2MHill 1992. <i>Wetlands Delineation Technical Memorandum, prepared for Stepan Company, Maywood, NJ by CH2M Hill, Parsippany, NJ, December.</i>	NO		Available from CH2MHill, 99 Cherry Hill Road, Suite 304, Parsippany, NJ 07054-1102, (201)316-9300.
CH2MHill 1994a. <i>Remedial Investigation Report for Stepan Company, Sears and Adjacent Properties, Final. Prepared for U.S. EPA Region II on behalf of Stepan Company, Maywood. November.</i>	YES	M-575 CCN 139133	
CH2MHill 1994b. Technical Memorandum, Tat Ebihara, CH2MHill, to Angela Carpenter, USEPA Region II; <i>Maywood Chemical Company Site, Maywood, Bergen County, New Jersey: Administrative Order on Consent and Administrative Order B Focused Investigation of Leather Material; October, 17, 1994.</i>	NO		Available from CH2MHill, 99 Cherry Hill Road, Suite 304, Parsippany, NJ 07054-1102, (201)316-9300.

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CH2MHill 1995. <i>Feasibility Study Report for Stepan Company, Sears and Adjacent Properties</i> . Prepared for U.S. EPA Region II on behalf of Stepan Company, Maywood.	NO		Available from CH2MHill, 99 Cherry Hill Road, Suite 304, Parsippany, NJ 07054-1102, (201)316-9300.
Jacobson, R. 1982. Letter from R. Jacobson (Attorney, Stepan Chemical Company) to R. Page (U.S. Nuclear Regulatory Commission), April 7.	NO		Available from Stepan Company, 100 West Hunter Avenue, Maywood, NJ 07607
ARGONNE DOCUMENTS			
ANL (Argonne National Laboratory) 1984. Action Description Memorandum: <i>Proposed 1984 Remedial Actions at Maywood, New Jersey</i> , prepared by Energy and Environmental Systems Division, Argonne, IL, for U.S. Department of Energy, June.	YES	M-098 CCN 019420	May draft in ARF. June draft available from Argonne National Laboratory, 9700 South Cass Ave., Argonne, Illinois 60439 1-630-252-5589
ANL 1987. Action Description Memorandum: <i>Interim Remedial Actions at Maywood, New Jersey</i> , Energy and Environmental Systems Division, Argonne, IL, March.	YES	M-704 CCN 048947	
DOE 1994. <i>Uranium Guidelines for the Maywood, New Jersey Site</i> , prepared by Argonne National Laboratory, May.	YES	M-710 CCN 117690	
Nelson, J.D. and T.A. Shepherd 1978. <i>Evaluation of Long-Term Stability of Uranium Tailing Disposal Alternatives</i> , Civil Engineering Department, Colorado State University, prepared for Argonne National Laboratory, April.	NO		Available from Argonne National Laboratory, 9700 South Cass Ave., Argonne, Illinois 60439 1-630-252-5589
Yu, C., A.J. Zielen, J. Cheng, Y.C. Yuan, L.G. Jones, D.J. LePoire, Y.Y. Wang, C. Loureiro, E. Gnanapragasam, E. Faillace, A. Wallo III, W. Williams, and H. Peterson 1993. <i>Manual for Implementing Residual Radioactive Material Guidelines Using RESRAD, Version 5.0</i> , Argonne National Laboratories, Argonne, IL, September.	NO		Available from Argonne National Laboratory, 9700 South Cass Ave., Argonne, Illinois 60439 1-630-252-5589

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DOCUMENT TITLE	IN MAYWOOD ADMINISTRATIVE RECORD FILE (ARF) ¹	DOCUMENT #	COMMENTS
EPA DOCUMENTS			
EPA (U.S. Environmental Protection Agency) 1977. <i>Guideline for Development of Control Strategies in Areas with Fugitive Dust Problems</i> , EPA/450/2-77/029, Research Triangle Park, NC, August.	NO		Available from EPA (1-800-490-9198) National Service Center for Environmental Publications (NSCEP) http://www.epa.gov/ncepihom/ National Environmental Publications Internet Site (NEPIS) http://www.epa.gov/ncepihom/nepishom/
EPA 1987. <i>EPA Remedial Action Costing Procedures Manual</i> , EPA/600/8-87/049, October.	NO		Available from EPA (see above)
EPA 1988. <i>Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA</i> , OSWER EPA/540/G-89/004, October.	NO		Available from EPA (see above)
EPA 1989a. <i>Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A</i> , EPA/540/1-89/002.	NO		Available from EPA (see above)
EPA 1989b. <i>Risk Assessment Guidance for Superfund Volume II: Environmental Evaluation Manual</i> , EPA/540/1-89/001.	NO		Available from EPA (see above)
EPA 1990. <i>National Oil and Hazardous Substances Contingency Plan, Federal Register</i> , Volume 55, No. 46, March 8.	NO		Available from EPA (see above)
EPA 1991a. <i>Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors</i> , Office of Solid Waste and Emergency Response, OSWER Directive 9285.603, Washington, D.C., March 25.	NO		Available from EPA (see above)

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EPA 1991b. <i>Risk Assessment Guidance for Superfund: Volume 1 - Human Health Evaluation Manual, Part B, Development of Risk-based Preliminary Remediation Goals, Interim</i> , OSWER Directive 9285.701B, Office of Emergency and Remedial Response, Washington, D.C., December (Memorandum dated December 13, 1991).	NO		Available from EPA (see above)
EPA 1991c. <i>Treatment Technologies</i> , Second Ed., August.	NO		Available from EPA (see above)
EPA 1993. <i>Characterization of Soil Samples from the Maywood Chemical Company Site</i> , for EPA Office of Radiation Program, March.	NO		Available from EPA (see above)
Mata, L. 1984. <i>Site Analysis, Maywood Chemical Sites, Maywood and Rochelle Park, New Jersey</i> , TS-PIC-84023, prepared by Bionetics Corporation, Warrenton, VA, for U.S. Environmental Protection Agency, Environmental Monitoring Systems Laboratory, Las Vegas, NV, May.	NO		Available from EPA (see above)
NJDEP DOCUMENTS			
Camp, Dresser, & McKee, Inc. 1989. <i>Summary Report, Statewide Scientific Study of Radon</i> , prepared by Camp, Dresser, & McKee, Inc., Edison, NJ, for New Jersey Department of Environmental Protection, Trenton, NJ, April.	NO		Available from NJDEP, Trenton NJ (609) 292-2885
OTHER GOVERNMENT DOCUMENTS			
Bailey, R.G. 1978. <i>Descriptions of the Ecoregions of the United States</i> , U.S. Forest Service, Intermountain Region, Ogden, UT.	NO		Electronic version available from http://www.fs.fed.us/land/ecosysmgmt/ecoreg1_home.html . Hard copy available from Robert G. Bailey, USDA Forest Service, 3825 E. Mulberry St., Ft. Collins, CO 80524, (970) 498-1500

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Barnthouse, L.D., G. Suter II, S. Bartell, J. Beauchamp, R. Gardner, E. Linder, R. O'Neill, and A. Rosen 1986. <i>User's Manual for Ecological Risk Assessment</i> , ORNL-6251, Oak Ridge National Laboratory, Environmental Sciences Division No. 2679, Oak Ridge, TN, March.	NO		Available from Information Resource Center, 105 Broadway Avenue, Oak Ridge, TN 37830, (423)241-4582.
Camp, Dresser, & McKee, Inc. 1985. <i>Draft Final Feasibility Study for the Montclair/West Orange and Glen Ridge, New Jersey Radium Sites</i> , Volume I.	NO		Available from Camp, Dresser & McKee, 800 Oak Ridge Turnpike, Suite 500, Oak Ridge, TN 37830, (423) 482-1065
Carswell, L.D. and J.G. Rooney 1976. <i>Summary of Geology and Groundwater Responses of Passaic County, New Jersey</i> , U.S. Geological Survey Water Resources Investigations 76-75, June.	NO		Available from USGS 1-888-275-8747 http://usgs-georef.cos.com/
Coffman, F.E. 1983. Letter from F.E. Coffman (Director, Office of Terminal Waste Disposal and Remedial Action, Office of Nuclear Energy, U.S. Department of Energy Headquarters) to J. LaGrone (Manager, Oak Ridge Operations Office, U.S. Department of Energy), Subject: <i>R&D Decontamination Projects under the Formerly Utilized Sites Remedial Action Program (FUSRAP)</i> , August 3.	NO		Available from Information Resource Center, 105 Broadway Avenue, Oak Ridge, TN 37830, (423) 241-4582.
Cole, L.W. et al. 1981. <i>Radiological Assessment of Ballod Associates Property (Stepan Chemical Company) Maywood, New Jersey</i> , Oak Ridge Associated Universities, Oak Ridge, TN, July.	YES	M-034 CCN 060430	
EG&G Energy Measurements Group 1981. <i>An Aerial Radiologic Survey of the Stepan Chemical Company and Surrounding Area, Maywood, New Jersey</i> , NRC-8109, prepared by EG&G, Oak Ridge, TN, for the U.S. Nuclear Regulatory Commission, April.	YES	M-036 CCN 060431	

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Gale Research Company 1980. <i>Climate of the States, National Oceanic and Atmospheric Administration Narrative Summaries, Tables, and Maps for Each State with Overview of State Climatologist Programs, Volume 1, Alabama - North Dakota</i> , 2nd ed., Detroit, MI.	NO		Available from NOAA Central Library 2nd Floor, Silver Spring Metro Center Building 3 (SSMC3), 1315 East-West Highway, Silver Spring, MD 20910, (301)713-2600 x124
Long, E.R. and L.G. Morgan 1991. <i>The Potential for Biological Effects of Sediment Sorbed Contaminants Tested in the National Status and Trends Program</i> , National Oceanic and Atmospheric Administration Technical Memorandum, NOS OMA #52, Seattle, WA, August.	NO		Available from NOAA Central Library 2nd Floor, Silver Spring Metro Center Building 3 (SSMC3), 1315 East-West Highway, Silver Spring, MD 20910, (301)713-2600 x124
Maywood, City of 1989. <i>City of Maywood Master Plan</i> , NJ.	NO		Available from City of Maywood, Borough Hall, 459 Maywood Avenue, Maywood, NJ 07607, (201)845-2900
NRC (Nuclear Regulatory Commission) 1980. "Committee on the Biological Effects of Ionizing Radiations." <i>The Effect on Populations of Exposure to Low Levels of Ionizing Radiation (BEIR III)</i> , National Academy Press, Washington, D.C.	NO		Available from the US Nuclear Regulatory Commission, Public Document Room, LL-6 Washington, DC 20555, (202)634-3273 or (800)397-4209
NRC 1981. <i>Stapan Company Inspection</i> , Report No. 40-8610/80-01, Office of Inspection and Enforcement, Region I, February 18.	NO		Available from the US Nuclear Regulatory Commission, Public Document Room, LL-6 Washington, DC 20555, (202)634-3273 or (800)397-4209
NRC 1990. "Committee on the Biological Effects of Ionizing Radiations." <i>Health Effects of Exposure to Low Levels of Ionizing Radiation: BEIR V</i> , National Academy Press, Washington, D.C.	NO		Available from the US Nuclear Regulatory Commission, Public Document Room, LL-6 Washington, DC 20555, (202)634-3273 or (800)397-4209

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OTHER LITERATURE			
Means 1996. <i>Means Heavy Construction Cost Data</i> . 10th Annual Edition.	NO		Available from RS Means Company, Inc., Construction Plaza, 63 Smiths Lane, Kingston, MA 02364-0800, (781)585-7880
Morton, H.W. 1982. <i>Natural Thorium in Maywood, New Jersey</i> , Nuclear Safety Associates, Inc., Potomac, MD, September 29.	NO		May be available from Bechtel's PDCC (Project Document Control Center) (423)220-2270
United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) 1988. <i>Sources, Effects, and Risks of Ionizing Radiation</i> , Report to the General Assembly, E-88.IX.7, United Nations, New York, NY.	NO		Available from a United Nations depository library, http://www.un.org/MoreInfo/Deplib/usa.htm

The Maywood Administrative Record file can be viewed at the following locations:

USACE Public Information Center
55 West Pleasant Avenue
Maywood, NJ 07607

Maywood Public Library
459 Maywood Avenue
Maywood, NJ 07607