Stringfellow Hazardous Waste Site collection

Processed by Sara Seltzer, 2011.
Processing of this collection was funded by the Andrew W. Mellon Foundation and administered by the Council on Library and Information Resources' (CLIR) Cataloging Hidden Special Collections and Archives program.

Special Collections & Archives
The UCR Libraries
P.O. Box 5900
University of California
Riverside, California 92517-5900
Phone: 951-827-3233
Fax: 951-827-4673
Email: specialcollections@ucr.edu
URL: http://library.ucr.edu/?view=collections/spcol
©2011
The Regents of the University of California. All rights reserved.
Descriptive Summary

Title: Stringfellow Hazardous Waste Site collection

Date (inclusive): 1951-2009, undated.

Date (bulk): 1972-1987

Collection Number: MS 148

Accumulator: Rivera Library. Special Collections Dept.

Extent: 44.17 linear feet (38 boxes)

Repository: Rivera Library. Special Collections Department.

Riverside, CA 92517-5900

Abstract: The Stringfellow Hazardous Waste Site collection contains technical reports, media clippings, correspondence, public records, ephemera, notes, government publications, photographs, and other material regarding the Stringfellow Hazardous Waste Site, a Class I industrial waste disposal facility in Glen Avon, California, that operated from August 1956 to November 1972. Materials also document the community activism of Glen Avon resident Ruth Kirkby. Topics covered by the records include site pollution, contamination of local groundwater, local, state, and federal government cleanup efforts, and the political activities of Ruth Kirkby.

Languages: The collection is in English.

Access

This collection is open for research.

Publication Rights

Copyright Unknown: Some material in this collection may be protected by the U.S. Copyright Law (Title 17, U.S.C.). In addition, the reproduction, and/or commercial use, of some materials may be restricted by gift or purchase agreements, donor restrictions, privacy and publicity rights, licensing agreement(s), and/or trademark rights. Distribution or reproduction of materials protected by copyright beyond that allowed by fair use requires the written permission of the copyright owners. To the extent other restrictions apply, permission for distribution or reproduction from the applicable rights holder is also required. Responsibility for obtaining permissions, and for any use rests exclusively with the user.

Preferred Citation

[identification of item]. Stringfellow Hazardous Waste Site collection, MS 148. University of California, Riverside Libraries, Special Collections & Archives, University of California, Riverside.

Acquisition Information

The Stringfellow Hazardous Waste Site collection is comprised of two accessions. Series one and two were acquired as a gift circa 1995. Series three was acquired as a gift in 2009.

Processing History

This collection was processed by Sara Seltzer, 2011.

Processing of the Stringfellow Hazardous Waste Site collection was generously funded by the Andrew W. Mellon Foundation and administered by the Council on Library and Information Resources (CLIR). The University of California, Riverside was awarded a Cataloging Hidden Special Collections and Archives grant from 2010-2012, "Uncovering California's Environmental Collections," in collaboration with eight additional special collections and archival repositories throughout the state and the California Digital Library (CDL). Grant objectives included the processing of over 33 hidden collections related to the state's environment and environmental history. The collections document an array of important subtopics such as irrigation, mining, forestry, agriculture, industry, land use, activism, and research. Together they form a multifaceted picture of the natural world and the way it was probed, altered, exploited, and protected in California over the twentieth century. Finding aids are made available through the Online Archive of California (OAC).

Historical Background

Located in Riverside County approximately five miles northwest of the City of Riverside and one mile north of the community of Glen Avon, the Stringfellow Hazardous Waste Site occupies 17 acres at the head of Pyrite Canyon in the Jurupa Mountains. Commonly referred to as the Stringfellow Acid Pits, the site functioned as a Class I industrial waste disposal facility permitted by the Santa Ana Regional Water Quality Control Board (RWQCB) from August 1956 to November 1972. In 1955, the RWQCB contacted James B. Stringfellow, owner of the Stringfellow Quarry Company, to discuss the creation of an industrial waste dump on a portion of his company's land in the Jurupa Mountains. Following a report by the State Division of Water Resources approving use of the site, Stringfellow agreed to the proposal, and the dumping of toxic wastes commenced in 1956. Approximately 34 million gallons of industrial wastes, which belonged to some of the most high-profile American companies and contained over 200 hazardous chemicals, were disposed of over the course of the
In 1969, excessive rainfall caused the reservoirs at the facility, known as evaporation ponds, to overflow into Glen Avon. That same year, Parents of Jurupa, Inc., a non-profit corporation comprised of Glen Avon residents, was established with the goal of permanently closing and cleaning up the Stringfellow site, which was believed to be the cause of many health problems in the community. Due in part to the lobbying efforts of the organization, the site officially ceased operation in November of 1972 and permanently closed the following month. The facility’s state permit was revoked as a result of waste-discharge violations, and management of the site subsequently passed from the Stringfellow Quarry Company to Riverside County in 1974, with operational responsibility assigned to the RWQCB. Responsibility later passed to the California Department of Health Services (DOHS) in 1981.

In 1980, the United States Congress passed the Comprehensive Environmental Response, Compensation and Liability Act, which established a $1.6 billion trust fund known as the “Superfund” for the emergency cleanup of chemical spills and hazardous waste dumps in the U.S. The Stringfellow Hazardous Waste Site was officially placed on the United States Environmental Protection Agency’s (US EPA) Superfund national priority list in 1983. By that time, contaminants had already moved into the local groundwater supply in Glen Avon, requiring residents to ultimately receive water from public utilities. Cleanup efforts were jointly managed by the US EPA and the DOHS Toxic Substances Control Division (later Department). According to the US EPA, Region IX website, the site cleanup process has progressed in five phases: an initial action phase (1980-1984) and four long-term remedial action phases (1984-present). The latter phases include the installation of a pre-treatment plant, contaminant source control, the cleanup of the lower canyon, and the hydraulic control and cleanup of the contamination affecting the community water supply wells. The site is geographically divided into four zones as follows: Zone 1 - On-site/Upper Mid-Canyon Area, Zone 2 - Mid-Canyon Area, Zone 3 - Lower Canyon Area, and Zone 4 - Glen Avon Community.

Since 1996, the Department of Toxic Substances Control, a branch of the California Environmental Protection Agency, has maintained operational control at Stringfellow, with the US EPA serving as an oversight agency. Treatment of the hazardous waste site is ongoing.

1955: James B. Stringfellow, owner of the Stringfellow Quarry Company, was contacted by California officials to discuss the creation of a 17-acre hazardous waste dump on his property.

1956: In August, Stringfellow began operating a class I hazardous waste disposal facility permitted by the Santa Ana Regional Water Quality Control Board (RWQCB).

1969: Excessive rainfall caused the disposal ponds at Stringfellow to overflow into Glen Avon. Parents of Jurupa, Inc., a non-profit corporation of Glen Avon residents, was established with the goal of closing down the Stringfellow Hazardous Waste Site.

1972: The Stringfellow Hazardous Waste Site ceased operation as a disposal facility in November, and closed permanently in December.

1974: The State of California gained control of the Stringfellow Hazardous Waste Site, with the RWQCB serving as the responsible party.

1978: Excessive rainfall caused the disposal ponds at Stringfellow to overflow into Glen Avon a second time.

1980: The United States Congress passed the Comprehensive Environmental Response, Compensation and Liability Act. Known as the “Superfund,” the Act provided $1.6 billion for the emergency cleanup of chemical spills and hazardous waste dumps.

1981: Responsibility for the Stringfellow Hazardous Waste Site passed from the RWQCB to the California Department of Health Services (DOHS).

1983: The United States Environmental Protection Agency (US EPA) officially placed the Stringfellow Hazardous Waste Site on the national priority list for the federal Superfund.

1984-Present: Cleanup activities, jointly managed by the US EPA and DOHS Toxic Substances Control Division, began at the Stringfellow Hazardous Waste Site. Treatment is ongoing.

1996: The Department of Toxic Substances Control, a branch of the California Environmental Protection Agency, assumed operational control at Stringfellow, with the US EPA serving as an oversight agency.

Collection Scope and Contents

The Stringfellow Hazardous Waste Site collection contains technical reports, media clippings, correspondence, public records, ephemera, notes, government publications, photographs, and other material regarding the Stringfellow Hazardous Waste Site, a Class I industrial waste disposal facility in Glen Avon, California, that operated from August 1956 to November 1972. Materials also document the community activism of Glen Avon resident Ruth Kirkby. Media clippings document local news coverage of the site and are primarily from Riverside County and Los Angeles County newspapers. The Ruth Kirkby papers capture the political agency exercised by Kirkby on behalf of the Glen Avon community. Papers pertain to Kirkby’s involvement with entities aimed at eradicating the Stringfellow Hazardous Waste Site, and her active pursuit of records.
documenting the Stringfellow Quarry Company's activities in Riverside County. Field studies, treatments, and other projects undertaken by local, state, federal, and private agencies at the site are recorded in technical reports.

**Collection Arrangement**

This collection is arranged into three series and five sub-series. The series and sub-series arrangement is as follows:

- Sub-series 3.5. United States Environmental Protection Agency (Region IX) and other federal agencies, 1983-2006.

**Indexing Terms**

The following terms have been used to index the description of this collection in the library's online public access catalog.

**Subjects**

- California. Dept. of Health Services. Toxic Substances Control Division.
- California Environmental Protection Agency. Dept. of Toxic Substances Control.
- Glen Avon (Calif.).
- Hazardous waste site remediation.
- Hazardous waste treatment facilities.
- Parents of Jurupa, Inc.
- Pyrite Canyon Group.
- Santa Ana Watershed Project Authority (Calif.).
- Stringfellow Hazardous Waste Site (Calif.).
- Superfund Program (U.S.).
- *Uncovering California's Environmental Collections Project*.
- United States. Environmental Protection Agency. Region IX.

**Genres and Forms of Materials**

- Clippings (information artifacts).
- Compact discs.
- Correspondence.
- Ephemera.
- Notes.
- Photocopies.
- Photographs.
- Public records.
- Reports.

Series Scope and Contents
This series is comprised of media clippings (1960-1987, undated) that document local news coverage of the Stringfellow Hazardous Waste Site, including the site cleanup process, political activism of the Glen Avon community, and local, state, and federal legislation affecting the area. Material on the general topics of ecology and pollution are also included. Clippings are primarily from Riverside County and Los Angeles County newspapers, with some material excerpted from other sources. Publications include The Press-Enterprise, The Record, People's World, West Side News, and the Los Angeles Times.

Series Arrangement
This series is arranged sequentially by box and folder number.

Box 1, Folder 1-5

Box 2, Folder 1-6
Clippings from The Press-Enterprise, Pacific Sun, Whole Life Times, the Los Angeles Times, Ad-Vantage, The Record, Time, articles and papers on toxic waste, and other publications regarding the Stringfellow Hazardous Waste Site (includes photocopies). Cassette tape regarding tire fire in Winchester, Virginia. 1965-1987, undated.

Box 3, Folder 1-5

Box 4, Folder 1-5

Biography of Ruth Kirkby

A resident of Glen Avon, California, since 1942, Ruth Kirkby was a trained geologist and outspoken political activist for her community. In 1969 she founded Parents of Jurupa, Inc., an organization dedicated to the elimination of the Stringfellow Hazardous Waste Site and the welfare of fellow residents. She served as the organization's corresponding secretary, lobbying public officials in local, state, and federal government on behalf of Glen Avon and representing the community to the regional news media.

Kirkby was a member of numerous committees related to the Stringfellow cleanup effort, including the Stringfellow Advisory Committee (sponsored by the California Department of Health Services, Toxic Substances Control Division), the Technical Advisory Committee (sponsored by the Santa Ana Regional Water Quality Control Board), and the Solid Waste Management Advisory Committee (sponsored by the Riverside County Roads Department). She also corresponded with UC Riverside Assistant Professor of Geophysics Don J. Stierman, Ph.D., who proposed studies of the Stringfellow site to inform closure procedures.

Along with her husband, Sam, Kirkby founded the Jurupa Mountains Cultural Center (JMCC) in November 1964, an organization dedicated to the natural history of the Jurupa Mountains and the Riverside area. Located in Glen Avon, Kirkby served as Executive Director of the center until 1994. Records of the Parents of Jurupa, Inc., were kept at the JMCC, where the group held its meetings.

Ruth Kirkby died on January 25, 2007 in Scottsdale, Arizona, at the age of 92.

Series Scope and Contents

This series contains correspondence, copies of public records, notes, ephemera, technical reports, government publications, photographs, and other documentation pertaining to Ruth Kirkby's community activism and involvement with the Stringfellow Hazardous Waste Site closure and cleanup. A small percentage of the papers deals exclusively with the affairs of the Jurupa Mountains Cultural Center (JMCC). The records date from 1951 to 2005, with the bulk spanning the years 1972-1987; undated materials are also included. Documents dating from the 1950s and 1960s are primarily copies of public records, while the majority of records created by Ruth Kirkby date from the 1970s and 1980s.

In her capacity as Parents of Jurupa, Inc., corresponding secretary and Executive Director of the JMCC, Kirkby regularly corresponded with state and federal legislators and local administrators in Riverside County and surrounding areas. Correspondents include, but are not limited to, the following: Representative George E. Brown, Jr., California State Senator Robert Presley, California Assemblyman Walter M. Ingalls, the California Governor's Office, the United States Environmental Protection Agency, Region IX, the California Department of Health Services, the California Solid Waste Management Board, the California Public Utilities Commission, the Riverside County Departments of Public Health and Development, the Riverside County Board of Supervisors, the City of Riverside Department of Public Works, and the South Coast Air Quality Management District. In addition to Kirkby, recipients of incoming correspondence include members of Parents of Jurupa, Inc., the Stringfellow Advisory Committee, and the Glen Avon community.

Kirkby also acquired a substantial aggregation of public records via her political participation, frequently making requests to local and state agencies for information regarding the Stringfellow Quarry Company, the acid pits, and cleanup and closure efforts in Riverside County. The bulk of the documentation consists of photocopies of correspondence and other records sent between various individuals and corporate bodies, many of them cited above.

Kirkby's network of federal, state, local, and private agency contacts frequently sent her copies of technical reports and government publications as they became available, some of which she later annotated. Select reports include attached correspondence indicating documentation was sent to members of Parents of Jurupa, Inc., the Stringfellow Advisory Committee, or other groups. Many were written in response to requests for proposals and not universally chosen for implementation. There is some duplication between publications collected by Kirkby and those contained in Series 3.

Folder descriptions are not comprehensive.

Series Arrangement

Preliminary inventorying of the Ruth Kirkby papers was undertaken by Special Collections & Archives staff in 1995. The papers' current physical arrangement reflects the order prepared at that time.

This series is arranged sequentially by box and folder numbers.
<table>
<thead>
<tr>
<th>Box, Folder</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 5, Folder 1-2</td>
<td>Ephemera, writings, presentation copies, samples of work, and other material regarding engineering, environmental, and waste management firms and programs. 1972-1987, undated.</td>
</tr>
<tr>
<td>Box 5, Folder 3-15</td>
<td>Field notes, reports, proposals, evaluations, and work plans submitted to, or prepared by, the Santa Ana Regional Water Quality Control Board, U.S. Environmental Protection Agency, California Department of Health Services, Santa Ana Watershed Project Authority, U.S. Army Corps of Engineers, and other agencies. 1973-1986.</td>
</tr>
<tr>
<td>Box 6, Folder 1-12</td>
<td>Reports, plans, and proposals submitted to, or prepared by, the U.S. Environmental Protection Agency, Region IX, U.S. Army Corps of Engineers, Santa Ana Regional Water Quality Control Board, Santa Ana Watershed Project Authority, California Department of Health Services, and other agencies. 1975-1987, undated.</td>
</tr>
<tr>
<td>Box 7, Folder 1-13</td>
<td>Reports, plans, proposals, evaluations, and documents submitted to, or prepared by, the State Water Resources Control Board, Santa Ana Regional Water Quality Control Board, Santa Ana Watershed Project Authority, California Department of Health Services, and other agencies. 1973-1985.</td>
</tr>
<tr>
<td>Box 7, Folder 14</td>
<td>Correspondence regarding Riverside law firm Macomber and Eley (includes photocopies). 1972-1977.</td>
</tr>
<tr>
<td>Box 7, Folder 15-16</td>
<td>Correspondence, writings, presentation copies, samples of work, public records, and other material regarding engineering, environmental, and waste management firms and programs. 1974-1985, undated.</td>
</tr>
<tr>
<td>Box 8, Folder 1-2</td>
<td>Correspondence, public records, reports, and other material regarding engineering, environmental, and waste management projects. circa 1969-1987, undated.</td>
</tr>
<tr>
<td>Box 8, Folder 3-12</td>
<td>Reports and proposals submitted to, or prepared for, the Santa Ana Watershed Project Authority, California Department of Health Services, South Coast Air Quality Management District, and San Bernardino County Land Management Department, Environmental Public Works Agency. 1976-1987.</td>
</tr>
<tr>
<td>Box 10, Folder 1-9</td>
<td>Technical reports, proposals, and publications prepared for the California Department of Health Services, Toxic Substances Control Division, Santa Ana Regional Water Quality Control Board, and other entities. 1974-1989.</td>
</tr>
<tr>
<td>Box 10, Folder 10</td>
<td>Public records regarding Stringfellow Quarry Company financial, legal, and business affairs in Riverside County (photocopies). 1972-1976, undated.</td>
</tr>
<tr>
<td>Box 10, Folder 11-15</td>
<td>Technical reports, proposals, and publications submitted to, or prepared for, the Stringfellow Technical Committee and the California Department of Health Services. 1974-1985.</td>
</tr>
<tr>
<td>Box 10, Folder 16</td>
<td>Correspondence, documents, ephemera, and other material regarding the United States Environmental Protection Agency, Region IX (includes photocopies). 1985-1987, undated.</td>
</tr>
<tr>
<td>Box 11, Folder 1-3</td>
<td>Technical reports, correspondence, drafts, and other material regarding the United States Environmental Protection Agency, Region IX (includes photocopies). 1984-1985, undated.</td>
</tr>
<tr>
<td>Box 11, Folder 4-5</td>
<td>Correspondence, publications, public records, transcripts, and other material regarding Representative George E. Brown, Jr.'s involvement with the Stringfellow Hazardous Waste Site (includes photocopies). 1972-1986, undated.</td>
</tr>
<tr>
<td>Box 11, Folder 6-7</td>
<td>Correspondence, publications, clippings, and other material regarding the United States Environmental Protection Agency, Region IX, and the federal Superfund program. 1973-1985, undated.</td>
</tr>
<tr>
<td>Box 11, Folder 8</td>
<td>Public records, correspondence, publications, and other material regarding various United States federal agencies (includes photocopies). 1962-1984.</td>
</tr>
<tr>
<td>Box 11, Folder 9-15</td>
<td>Correspondence, publications, drafts, and other material regarding the California Department of Health Services (includes photocopies). 1973-1988, undated.</td>
</tr>
<tr>
<td>Box 11, Folder 16-17</td>
<td>Correspondence, publications, and other material regarding California state legislators' involvement with the Stringfellow Hazardous Waste Site (includes photocopies). Legislators include Senator Robert Presley and Assemblyman Walter M. Ingalls. 1971-1987, undated.</td>
</tr>
</tbody>
</table>
Legal documents regarding cases held in the County of Riverside Superior Court (photocopies). Parties include the Jurupa Mountains Cultural Center, local and state public utility agencies, and classes of citizens. 1972-1987, undated.


Correspondence, public records, and other material regarding the California Public Utilities Commission (includes photocopies). 1974-1977, undated.

Correspondence, public records, transcripts, and other material regarding the Santa Ana Regional Water Quality Control Board and the State Water Resources Control Board (includes photocopies). Public records regarding Stringfellow Quarry Company financial, legal, and business affairs in Riverside County (photocopies). 1955-1985, undated.

Correspondence, documents, reports, and other material regarding the Santa Ana Watershed Project Authority (includes photocopies). 1973-1985, undated.

Correspondence, reports, and other material regarding various California state agencies (includes photocopies). 1972-1984, undated.

Correspondence, public records, transcripts, and other material regarding the Riverside County Planning Commission (also called Department or Council; includes photocopies). 1955-1986, undated.

Correspondence, public records, agendas, minutes, and other material regarding Riverside County government agencies and community organizations (includes photocopies). 1969-1987, undated.

Drafts, minutes, documents, and other material regarding the Parents of Jurupa, Inc. (includes photocopies). 1972-1985, undated.

Public records, correspondence, minutes, rosters, and other material maintained by, or regarding, the Riverside County Solid Waste Management Advisory Committee and Class I Task Force of the County Road Department (includes photocopies). 1956-1977, undated.

Correspondence, public records, transcripts, maps, and other material regarding various Riverside County and City of Riverside government agencies (includes photocopies). 1955-1986, undated.

Correspondence, minutes, maps, and other material maintained by, or regarding, the Jurupa General Plan Steering Committee (includes photocopies). 1962-1973, undated.

Correspondence, notes, photographs, and other material sent from UCR geophysicist Donald J. Stierman, Ph.D., to Ruth Kirkby. 1979-1987, undated.

Ephemera, clippings, and other material regarding geological organizations and activities. 1976-1987, undated.

Agendas, minutes, correspondence, and other material regarding the Stringfellow Advisory Committee and Stringfellow EPA/DOHS Defendants’ Technical Committee. 1983-1987, undated.

Correspondence, agendas, petitions, and other material regarding community groups and local public agencies of the Glen Avon, Jurupa, and Riverside areas (includes photocopies). Ephemera and clippings regarding pollution. 1970-1987, undated.

Correspondence, publications, and documents regarding California state and regional environmental regulatory agencies. 1972-1987, undated.


Correspondence, ephemera, writings, clippings, maps, and other material regarding engineering, environmental, and waste management firms and programs. circa 1972-1987, undated.


Notes, fliers, and other material prepared or maintained by Ruth Kirkby, including typescripts, annotated typescripts, and photocopies. 1971-1986, undated.
Box 15, Folder 4  Publications issued by the California Department of Natural Resources, Division of Mines and Geology, regarding the greater Southern California region. 1951, 1973.

Box 15, Folder 5-7  Correspondence, notes, legal documents, and other material regarding the Jurupa Mountains Cultural Center (includes photocopies). circa 1970-1988, undated.

Box 15, Folder 8  Map (hand-drawn; unidentified) of the Stringfellow area. undated.

Box 15, Folder 9  Fliers, publications, ephemera, and other material regarding air resources and pollution in California. circa 1974-1983, undated.


Box 15, Folder 11  Correspondence, ephemera, writings, clippings, maps, and other material regarding engineering, environmental, and waste management firms and programs, and geological organizations and activities. 1982-1987, undated.

Box 15, Folder 12-15  Notes, documents, drafts, and other material prepared or maintained by Ruth Kirkby, including hand-written documents, typescripts, and annotated typescripts and clippings (includes photocopies). circa 1970-1988, undated.

Box 16, Folder 1-5  Notes, documents, drafts, and other material prepared or maintained by Ruth Kirkby, including hand-written documents, typescripts, and annotated typescripts (includes photocopies). circa 1970-1988, undated.

Box 16, Folder 6  Photographs (color; black and white) of the Stringfellow Hazardous Waste Site (source unknown). undated.

Box 16, Folder 7  Correspondence, notes, legal documents, and other material regarding the Jurupa Mountains Cultural Center (includes photocopies). 1964-1978, undated.

Box 16, Folder 8-10  Notes, documents, drafts, and other material prepared or maintained by Ruth Kirkby, including hand-written documents, typescripts, and annotated typescripts (includes photocopies). 1953-1974, undated.

Box 16, Folder 11-14  Correspondence, public records, notes, reports, and other material regarding waste management in Southern California and the political activism of Glen Avon residents (includes photocopies). 1972-1987, undated.

Box 16, Folder 15  Correspondence and documents sent from James A. Hammond, Ph.D., to Ruth Kirkby regarding the Stringfellow Hazardous Waste Site (includes photocopies). 1975-1983.

Box 16, Folder 16-19  Public records, correspondence, clippings, drafts, and other material regarding the Santa Ana Regional Water Quality Control Board, the Stringfellow Quarry Company, Parents of Jurupa, Inc., and other entities (photocopies). 1955-circa 1983, undated.

Box 16, Folder 20-21  Correspondence, notes, drafts, and fliers regarding waste management processes and solutions (includes photocopies). 1972-circa 1984, undated.

Box 16, Folder 22  Clippings from the Los Angeles Times and The Press-Enterprise regarding a $93 million insurance settlement for cleanup of the Stringfellow Acid Pits. February 2, 2005.

Series Scope and Contents
This series is comprised of draft and final reports on topics pertaining to the Stringfellow Hazardous Waste Site contamination and cleanup. Aggregations of field data, test samples, and other measurements are contained within documents of varying nomenclature; terms used include "report," "study," "work plan," and "proposal." For descriptive purposes, "report" refers to all such documentation. Material also includes documents written in response to select reports or projects. Titles of formally published reports are italicized; other titles are enclosed in quotation marks. Title punctuation and syntax is not transcriptive, but formulated to facilitate legibility. Select reports are available in both paper and CD formats.

The scientific data represented in the reports was gathered by multiple agencies over the course of three decades. Field study was often undertaken by consulting firms acting as contractors or sub-contractors for larger institutions within the California state government or other private sector organizations. Entities for whom reports were prepared include the California Department of Health Services' Toxic Substances Control Division (later the Department of Toxic Substances Control under the California Environmental Protection Agency), the Pyrite Canyon Group, the Santa Ana Watershed Project Authority, and the United States Environmental Protection Agency, Region IX.

Series Arrangement
This series is arranged into five sub-series. Sub-series arrangement is as follows:


Administrative History
The Toxic Substances Control Division of the California Department of Health Services (DOHS) is the predecessor of the Department of Toxic Substances Control, an agency within the California Environmental Protection Agency.

Sub-series Scope and Contents
This sub-series is comprised of technical reports published between the years 1984 and 1993 by the Toxic Substances Control Division of the California Department of Health Services (DOHS). Reports document the results of various field studies conducted at the Stringfellow Hazardous Waste Site. Projects were often contracted by DOHS and undertaken by outside consulting firms or public institutions, including Science Applications International Corporation and Kleinfelder, Inc. Reports primarily pertain to the Remedial Investigation/Feasibility Study and groundwater monitoring of the Stringfellow site, and the community of Glen Avon.

Sub-series Arrangement
This sub-series is arranged alphabetically by subject/project category. Within each category, records are in chronological order. Records classified as "other documents" are listed at the end of the sub-series.

Feasibility study draft final reports:
Box 30, Folder 6


Box 30, Folder 7


Box 29, Folder 1


Box 30, Folder 8


Box 30, Folder 9


Box 29, Folder 2


Glen Avon community:

Box 22, Folder 17


Box 29, Folder 1


Box 24, Folder 16


Box 22, Folder 16

"Stringfellow Hazardous Waste Site Riverside County, California Community Relations Plan" (2 copies). March 16, 1993.

Box 38, Folder 9-10

"Stringfellow Health Effects Study: An Epidemiologic Health Survey of Residents of Glen Avon and Rubidoux, California" (two copies). Prepared by the School of Public Health, University of California, Los Angeles, for the Epidemiological Studies Section, California State Department of Health Services, and the Riverside County Department of Health. February 1986.

Groundwater monitoring project:

Box 22, Folder 2


Box 22, Folder 10


Box 29, Folder 3


Box 29, Folder 3

Box 29, Folder 4


Box 29, Folder 5


Box 22, Folder 9


Remedial investigation draft final reports:

Box 24, Folder 4


Box 24, Folder 5


Box 20, Folder 13-16


Box 21, Folder 1-3


Box 21, Folder 4-5


Box 21, Folder 6-8


Stringfellow facility remedial investigation/feasibility study reports:

Box 21, Folder 11


Box 21, Folder 11


Box 21, Folder 10


Box 23, Folder 6

Box 22, Folder 14


Box 23, Folder 6


Box 23, Folder 6


Box 21, Folder 14


Box 23, Folder 6


Box 21, Folder 15


Box 21, Folder 13


Box 21, Folder 14


Box 21, Folder 14


Box 23, Folder 5


Box 21, Folder 13

Box 22, Folder 1


Box 25, Folder 3


Box 21, Folder 16


Box 21, Folder 12


Box 21, Folder 16


Box 23, Folder 14


Box 22, Folder 3


Box 22, Folder 2


Box 22, Folder 3


Box 22, Folder 4


Box 22, Folder 5


Box 24, Folder 1

Box 22, Folder 11

Box 22, Folder 11

Box 24, Folder 2

Box 21, Folder 12

Box 25, Folder 3

Box 23, Folder 14

Box 22, Folder 15

Box 22, Folder 15

Box 22, Folder 13

Box 25, Folder 2


Stringfellow facility remedial investigation/feasibility study other documents:
### Sub-series 3.1 California Department of Health Services. Toxic Substances Control.


**Administrative History**

The Department of Toxic Substances Control, an agency within the California Environmental Protection Agency, is the successor of the Toxic Substances Control Division of the California Department of Health Services (DOHS).

**Sub-series Scope and Contents**

This sub-series is comprised of technical reports published between the years 1996 and 2009 by the California Environmental Protection Agency's Department of Toxic Substances Control (DTSC). Reports document the results of various field studies conducted at the Stringfellow Hazardous Waste Site; summative annual reports are also included. Projects were often contracted by the DTSC and undertaken by outside consulting firms, including ENVIRON Corporation, GeoLogic Associates, Shaw Environmental, Inc., and Tetra Tech, Inc. Reports pertain to multiple topics, including bench-scale testing and groundwater monitoring of the Stringfellow site, and a supplemental feasibility study.

**Sub-series Arrangement**

This sub-series is arranged alphabetically by subject/project category. Within each category, records are in chronological order. Records classified as "other documents" are listed at the end of the sub-series.

**Annual reports:**

### Bench-scale testing:

- **Box 37, Folder 13-15**

- **Box 37, Folder 16, Box 38, Folder 1-2**

- **Box 37, Folder 14**

- **Box 35, Folder 1-3**

- **Box 35, Folder 1**

- **Box 37, Folder 10**

- **Box 37, Folder 10**

- **Box 37, Folder 11-12**

- **Box 37, Folder 11**

### Groundwater monitoring:

- **Box 27, Folder 9-10**

- **Box 30, Folder 4**

- **Box 30, Folder 4**

- **Box 27, Folder 11-12**

- **Box 27, Folder 15-17**

- **Box 28, Folder 1-4**

- **Box 28, Folder 5-6**

- **Box 27, Folder 13-14**

- **Box 28, Folder 7-8**

- **Box 30, Folder 12-13**
Box 28, Folder 9-11

Box 30, Folder 14-15

Box 30, Folder 5

Box 30, Folder 1

Box 30, Folder 10-11
Tetra Tech, Inc. for the Department of Toxic Substances Control, Site Mitigation Program. August 1998.

Box 31, Folder 4-5

Box 31, Folder 6-7

Box 31, Folder 1

Box 31, Folder 2-3

Box 31, Folder 8

Box 31, Folder 10-11

Box 32, Folder 6-7

Box 31, Folder 9

Box 32, Folder 4-5

Box 31, Folder 12-13

Box 31, Folder 14

Box 32, Folder 8

Box 32, Folder 9

Box 32, Folder 10-11
Stringfellow Hazardous Waste Site collection

Pre-treatment plant effluent pipeline project:
| **Stormwater sampling:** |  |
| **Supplemental feasibility study:** |  |
| Box 34, Folder 6-7 | Draft Supplemental Feasibility Study: Volume 3: Appendices. Prepared by ENVIRON Corporation for the Department of Toxic Substances Control. April 21, 2000. |
| **Surface water monitoring:** |  |
| **Well/piezometer installation:** |  |
| **Zone 3:** |  |
| **Zone 4:** |  |
Stringfellow Hazardous Waste Site collection

Sub-series 3.2 California Environmental Protection Agency. Department of Toxic Substances Control


Sub-series 3.2 California Environmental Protection Agency. Department of Toxic Substances Control

Box 30, Folder 3

Box 38, Folder 3

Box 36, Folder 5

Box 37, Folder 9

Box 37, Folder 8

Box 36, Folder 15,

Box 36, Folder 5

Box 37, Folder 7

Box 37, Folder 7

Other documents:

Box 32, Folder 18

Box 37, Folder 10

Box 35, Folder 12

Box 36, Folder 5

Box 37, Folder 2


Sub-series Scope and Contents

This series is comprised of technical reports published from 1991 to about 2000 by Pyrite Canyon Group, a private corporation located in the city of Riverside. Reports document the results of various field studies conducted at the Stringfellow Hazardous Waste Site. Projects were often contracted by Pyrite Canyon Group and undertaken by outside consulting firms, including Bechtel Environmental, Inc. and S.S. Papadopoulos and Associates, Inc. Reports pertain to multiple topics and projects, including the community well test program, community extraction system, routine groundwater monitoring and site maintenance operations, and soil vapor extraction field tests.

Sub-series Arrangement

This sub-series is arranged alphabetically by subject/project category. Within each category, records are in chronological order. Records classified as "other documents" are listed at the end of the sub-series.
Box 27, Folder 10
AOC-10 and CD Scope of Work Quarterly Reports:
Stringfellow Project AOC-10 and CD Scope of Work Quarterly Report No. 1.
Prepared by Bechtel Environmental, Inc. for the Pyrite Canyon Group.
November 9, 1992.

Box 30, Folder 5
Stringfellow Project AOC-10 and CD Scope of Work Quarterly Report No. 7.
Prepared by Bechtel Environmental, Inc. for the Pyrite Canyon Group. May 10,
1994.

Community extraction system:
Box 18, Folder 2
Community Extraction System Final Interim Operation Plan (Project No.
22020-003). Prepared by Bechtel Environmental, Inc. and S.S. Papadopulos

Box 18, Folder 3
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 1 (Project No. 22020-003). Prepared by Bechtel Environmental, Inc. and

Box 18, Folder 4
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 2 (Project No. 22020-003). Prepared by Bechtel Environmental, Inc. and
S.S. Papadopulos and Associates, Inc. for Pyrite Canyon Group. December
1993.

Box 18, Folder 5
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 3 (Project No. 22020-003). Prepared by Bechtel Environmental, Inc. and

Box 24, Folder 9-10
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 4 (Project No. 22020-003). Prepared by Bechtel Environmental, Inc. and
S.S. Papadopulos and Associates, Inc. for Pyrite Canyon Group. December
1994.

Box 25, Folder 1
Achievement of Performance Standard Community Extraction System Element
of Work. Prepared by S.S. Papadopulos and Associates, Inc. for Pyrite Canyon

Box 26, Folder 12-13
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 5 (Project No. 22020-003). Prepared by Bechtel Environmental, Inc. and
S.S. Papadopulos and Associates, Inc. for Pyrite Canyon Group. September
1995.

Box 25, Folder 2
Achievement of Performance Standard Community Extraction System Element
of Work. Prepared by S.S. Papadopulos and Associates, Inc. for Pyrite Canyon
Group. February 1996.

Box 26, Folder 14-15
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 6 (Project No. 22020-003). Prepared by Bechtel Environmental, Inc. and

Box 27, Folder 1-2
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 7 (Project No. 22020-003). Prepared by S.S. Papadopulos and Associates,
Inc. and Pyrite Canyon Group. September 1996.

Box 27, Folder 3-4
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 8. Prepared by S.S. Papadopulos and Associates, Inc. for Pyrite Canyon

Box 27, Folder 5-6
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 9. Prepared by S.S. Papadopulos and Associates, Inc. for Pyrite Canyon

Box 27, Folder 7
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 10. Prepared by S.S. Papadopulos and Associates, Inc. for Pyrite Canyon

Box 27, Folder 8
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 11. Prepared by S.S. Papadopulos and Associates, Inc. for Pyrite Canyon

Box 31, Folder 16
Community Extraction System Interim Operation: Six-Month Evaluation Report
No. 13. Prepared by S.S. Papadopulos and Associates, Inc. for Pyrite Canyon
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Community well test program:</strong></td>
<td></td>
</tr>
<tr>
<td>Routine groundwater monitoring:</td>
<td></td>
</tr>
</tbody>
</table>


Routine site maintenance operations:
Box 17, Folder 2


Soil vapor extraction field test:

Box 17, Folder 5


Box 17, Folder 6


Box 24, Folder 15,  Box 27, Folder 10


Box 17, Folder 7-8


Box 17, Folder 9-10


Box 17, Folder 11-13


Box 17, Folder 14-15


Work plans:

Box 24, Folder 15


Box 25, Folder 2


Box 17, Folder 3-4


Box 28, Folder 17


Zone 1 dewatering system:

Box 19, Folder 5


Box 24, Folder 14,  Box 25, Folder 4


Box 19, Folder 6-7


Box 19, Folder 8-9


Box 25, Folder 5-6


Box 19, Folder 10-12


Zone 3 field investigation:


Other documents:


Box 32, Folder 17


Box 33, Folder 7

Maps, charts, and graphs containing data about Stringfellow Hazardous Waste Site zones. Material is from an unidentified report. circa 2000.

Sub-series 3.4 Santa Ana Watershed Project Authority 1984.

Sub-series Scope and Contents

This sub-series is comprised of technical reports published in 1984 by the Santa Ana Watershed Project Authority (SAWPA). Reports pertain to the proposal, design, specifications, construction, and operation and maintenance of interim treatment facilities for the Stringfellow Hazardous Waste Site. James M. Montgomery, Consulting Engineers, Inc. and Geotechnical Consultants, Inc. were contracted by SAWPA to prepare the reports.

Sub-series Arrangement

This sub-series is arranged chronologically.

Box 38, Folder 8


Box 24, Folder 16


Box 38, Folder 7


Box 38, Folder 5


Box 38, Folder 6

Sub-series 3.5 United States Environmental Protection Agency, Region IX, and other federal agencies 1983-2006.

Sub-series Scope and Contents
This sub-series is primarily comprised of technical reports published from 1983 to 2006 by the United States Environmental Protection Agency (US EPA), Region IX, which covers the Pacific Southwest. Reports document the results of various field studies conducted at the Stringfellow Hazardous Waste Site, as well as proposals for further cleanup-related efforts and activities. Some reports are publications of the federal US EPA. Two reports were prepared for separate federal agencies: the Office of Technology Assessment, Congress of the United States, and the U.S. Geological Survey. Reports were often contracted by the US EPA and undertaken by outside consulting firms, including Ecology and Environment, Inc., and CH2M Hill, Inc. Reports pertain to multiple topics and projects, including the fast-track remedial investigation feasibility study, the treatability testing program, remedial response activities, pretreatment plant operations, and community relations. Non-EPA affiliated reports also pertain directly to testing at the Stringfellow site.

Sub-series Arrangement
The records are arranged by agency of origin and listed chronologically.

United States Environmental Protection Agency. Region IX.:
Box 25, Folder 4

Box 23, Folder 3

Box 23, Folder 2

Box 21, Folder 9

Box 38, Folder 8,
Box 25, Folder 4

Box 23, Folder 4

Box 23, Folder 8

Box 23, Folder 8

Box 23, Folder 8

Box 23, Folder 9

Box 20, Folder 9-10

Box 23, Folder 9
| Box 17, Folder 1 | **Stringfellow Acid Pits Superfund Site September 1990 Record of Decision: Administrative Record Index**. Prepared by the United States Environmental Protection Agency Region IX. September 1990. |
| Box 25, Folder 7 | **Stringfellow Superfund Site: Final ROD Administrative Record Index**. Prepared by the United States Environmental Protection Agency Region IX. October 8, 1996. |
| Box 23, Folder 1 | "Engineering Case Study of the Stringfellow Superfund Site." Prepared by G.J. Trezek, Department of Mechanical Engineering, University of California, Berkeley, for Office of Technology Assessment, Congress of the United States. August 1984. |