

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



*RWALB
FOZ&ZP*

June 24, 1999

Mr. Cyrus Colburn
Lincoln Property Company
330 Hatch Drive, Suite A
Foster City, CA- 94404

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

Ref: Former Redwood Lumber Site, 7091 Central Avenue, Newark, CA

Dear Mr. Colburn:

I am in receipt of the report "Addendum 2 to the risk management" dated May 24, 1999, prepared by Erler & Kalinowski for the above referenced site.

This document has been prepared in accordance to requirements outlined in section 4.5 of the initial risk management plan. The requirements include documenting the relocation of the foundry material on site and capping of the site. This document also satisfies the requirement for closure as mentioned in a letter dated July 9, 1996 from this Department

Based on the information provided to this department, the site does not pose a threat to public health and no further remedial action is required. However, all the pertinent risk management protocols should be followed as necessary. If you have any questions, you may reach me at (510) 567-6764.

Sincerely,

Madhulla Logan
Hazardous Material Specialist

C: **Michelle King**, Erler and Kalinowski, Inc. 1730 Amphlett Blvd., Suite 320, San Mateo, CA - 94402

Jackie Bretschneider, City of Newark Fire Department, Newark, CA



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P. O. BOX 5110 • 43885 SOUTH GRIMMER BOULEVARD, FREMONT, CALIFORNIA 94537
PHONE (510) 659-1970 FAX (510) 770-1793

OFFICERS
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General Manager
RONALD PINO
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RUTH R. EVANS
District Secretary

November 8, 1993

Dave Robinson
American Brass and Iron Foundry
7825 San Leandro Street
Oakland, CA 94621

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ALCO
HAZMAT

STATUS OF INVESTIGATION AND REMEDIATION AT REDWOOD LUMBER COMPANY,
7091 CENTRAL AVENUE, NEWARK

Alameda County Water District (ACWD) remains concerned over the lack of investigation and remediation efforts at the Redwood Lumber Company, 7091 Central Avenue, Newark. In reviewing site activities, several major areas of concern, in part previously addressed in ACWD's letter of May 30, 1990 to W. Thomas Ireland of Cabot, Cabot, and Forbes (CC&F) (letter enclosed), have not been addressed. CC&F subsequently informed the District of their decision to not develop the site. Therefore American Brass and Iron Foundry, as current owners of the property, is being requested to submit quarterly reports detailing efforts to investigate and remediate soil and groundwater contamination. Quarterly reports should follow the format in the enclosed guidelines and address the following issues:

1. DEFINITION AND REMEDIATION OF SOIL CONTAMINATION

Woodward-Clyde's April 23, 1991 Work Plan discusses an excavated drum located along the northeast wall of the plastic extrusion building. Laboratory results document soil contamination at concentrations as high as 1,200 parts per million (ppm) Total Petroleum Hydrocarbons as diesel (TPH-d) and 730 ppm Total Oil and Grease (TOG). The drum was identified as an exterior drainage for floor sumps associated with plastic extrusion building operations. A second drainage location was identified approximately 15 feet southeast of the above mentioned excavated drum. Localized areas of soil contamination have also been identified by observation of surface soil staining. Soil borings in these locations have shown Total Recoverable Petroleum Hydrocarbons (TRPH) as high as 45,000 ppm. Hydrocarbon-contaminated soil may serve as a continuing source of groundwater contamination. Soil and/or waste foundry fill materials have additionally been shown to contain levels of lead, zinc, copper, barium, selenium, and cadmium at levels exceeding their respective Title 22 Total Threshold Limit Concentrations (TTL) and/or Soluble Threshold Limit

Concentrations (STLC). A December 7, 1989 sampling event also documented 460 ppb of PCB-1232. Additional soil contamination definition and remedial actions are required.

2. DEFINITION AND REMEDIATION OF GROUNDWATER CONTAMINATION

Groundwater samples from on-site monitoring wells document groundwater contamination at 12,000 parts per billion (ppb) TRPH, 160 ppb TPH-d, 1.1 ppb toluene, and 54 ppb lead. The horizontal and vertical extent of groundwater contamination has not been adequately defined. A monitoring well is required immediately down-gradient of the former buried drum near the northeast wall of the plastic extrusion building. Other areas of localized soil contamination may require installation of groundwater monitoring wells. Samples should be taken quarterly from all monitoring wells. Any proposals to reduce the frequency of groundwater monitoring should include adequate justification for each change and must be approved by either ACWD or RWQCB.

3. HYDROGEOLOGIC INTERPRETATION

The geologic characteristics of the local subsurface environment must be adequately described. Cross-sections and groundwater gradients (both horizontal and vertical) should be interpreted to explain possible pollutant migration pathways.

4. QUARTERLY REPORTING

Quarterly reports for the site have been submitted irregularly. Quarterly reports should follow the format in the enclosed guidelines and include plume maps for each detectable contaminant; site status summaries for soil and groundwater definition and remediation; summary of actions occurring in the preceding three months as well as actions planned for the following three months; and status of project schedule. Additionally, a timeline for site activities should be submitted.

Please submit the next quarterly report by January 30, 1993. Subsequent quarterly reports should adhere to the schedule established in ACWD's letter of May 30, 1990 (i.e., April 30, 1994; July 30, 1994; October 30, 1994; January 30, 1995; etc). Copies of all proposals and reports must be sent to ACWD, RWQCB and Newark.

You should be aware that since ACWD is working in conjunction with RWQCB, this is a formal request for technical reports pursuant to Section 13267(b) of the California Water Code. Failure to respond or a late response will result in ACWD's referral of this case to RWQCB for enforcement. The Regional Board is empowered to impose civil liability up to a maximum amount of \$1,000 per day for such noncompliance. Any extensions of the time deadlines set forth above must be confirmed in writing by either ACWD or RWQCB.

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American Brass and Iron Foundry
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If you have any questions regarding this letter or would like to schedule a meeting to discuss this site, please contact Ted Trenholme at (510) 659-1970, Extension 411.



STEVEN D. INN
Groundwater Resources Supervisor

SDI:TT:cs

Enclosure

cc: Sum Arigala, Regional Water Quality Control Board
✓ Ravi Arulanantham, Alameda County Department of Environmental Health
Jackie Bretschneider, City of Newark
Ted Trenholme, ACWD



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P.O. BOX 5110 • 43885 SOUTH GRIMMER BOULEVARD, FREMONT, CALIFORNIA 94537
PHONE (415) 659-1970 FAX (415) 770-1793

OFFICERS
JAMES D. BEARD
General Manager
ANDREW J. GERAGHTY
Auditor
RUTH R. EVANS
District Secretary

May 30, 1990

W. Thomas Ireland
Cabot, Cabot & Forbes
4700 Bohannon Drive
Menlo Park, CA 94025

NEED FOR ADDITIONAL INVESTIGATION AND REMEDIATION RELATED TO SITE CONTAMINATION AT REDWOOD LUMBER PROPERTY, 7091 CENTRAL AVENUE, NEWARK

Alameda County Water District (ACWD) thanks you for submitting reports for Redwood Lumber Property at 7091 Central Avenue, Newark. Since groundwater is utilized for a major portion of ACWD's drinking water supply, the District has taken an aggressive role in managing and protecting its groundwater basin. As part of this program, ACWD cooperates with the California Regional Water Quality Control Board--San Francisco Bay Region (RWQCB) in providing technical input on investigation and remediation at sites where contamination of soil and/or groundwater resulted from unidentified sources and/or current or past waste disposal practices.

ACWD has most recently reviewed Woodward-Clyde Consultant's report which indicates the presence of groundwater contamination up to 12,000 ppb Total Recoverable Petroleum Hydrocarbons (TRPH), 430 ppb toluene and 500 ppb selenium. In addition soil contamination was reported up to the following levels: 45,000 ppm TRPH, 4,200 ppm lead, 580 ppm copper, 2,200 ppm zinc and 460 ppb PCB-1232. Additional investigation and remediation are indicated for this documented contamination.

Generally, the investigations required by RWQCB for any release include five basic steps:

1. Determine the extent and magnitude of soil contamination.
2. Determine the horizontal and vertical extent of groundwater contamination.
3. Interpret hydrogeologic data.

W. Thomas Ireland
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4. Assess potential short- and long-term impacts of the contamination on the beneficial uses of ground and surface water in the area.
5. Evaluate and implement a remediation plan.

Recommendations:

Identify and abate any ongoing sources at the site including remediation of contaminated soil. Prepare a work plan and timeline for addressing the five basic steps to be submitted by July 30, 1990. Initiate a quarterly reporting schedule. The first quarterly report should be received in this office by the thirtieth day of the first month of each quarter (i.e., July 30, 1990; October 30, 1990; etc.).

You should be aware that since ACWD is working in conjunction with RWQCB, this is a formal request for technical reports pursuant to Section 13267(b) of the California Water Code. Failure to respond or a late response will result in ACWD's referral of the case to RWQCB for enforcement. The Regional Board is empowered to impose civil liability up to a maximum amount of \$1,000 per day for such noncompliance. Any extensions of the time deadlines set forth above must be confirmed in writing by either ACWD or RWQCB. Copies of all proposals and reports must be sent to ACWD, RWQCB and the City.

If you have any questions or would like to schedule a meeting to discuss this site, please contact Ted Trenholme at (415) 659-1970, Extension 411.


G. F. DUERIG
Division Engineer
Groundwater Resources

JD:TT:bb

cc: Lester Feldman, RWQCB
Jackie Bretschneider, Newark