

GROW GROUP, INC.

4000 Dupont Circle
Louisville, Kentucky 40207
Telephone (502) 897-9861

August 16, 1993
HWJ-061-93

Ms. Susan Hugo
Hazardous Materials Specialist
Alameda County Department
of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

AUG 18 1993

RE: FORMER BOYSEN PAINT COMPANY, EMERYVILLE, CALIFORNIA

Dear Susan:

Enclosed please find a copy of the Underground Storage Tank Closure and Supplemental Soil and Groundwater Investigation Report for the referenced site.

This report, with the seal of a California Registered Geologist, presents the results for the closure in-place and associated investigation for the former Boysen Paint Company underground tank in Emeryville, California. Grow Group, Inc. confirms the content and accuracy of the enclosed report and is prepared to implement the proposed schedule contained in the report.

Regards,



Henry W Jones
Director
Environmental, Safety
& Health Compliance

/ks
Enclosure



ENVIRONMENTAL STRATEGIES CORPORATION

101 Metro Drive • Suite 650 • San Jose, California 95110 • (408) 453-6100 • FAX (408) 453-0496

August 16, 1993

Ms. Susan Hugo
Hazardous Materials Specialist
Alameda County Department
of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Re: Former Boysen Paint Company, Emeryville, California

Dear Susan:

Enclosed please find a copy of the Underground Storage Tank Closure and Supplemental Soil and Groundwater Investigation Report for the referenced site.

The work was performed by Environmental Strategies Corporation personnel and certified by our California Registered Geologist. Resumes of those individuals who worked on the project are enclosed.

Please do not hesitate to call if you have any questions.

Sincerely yours,

A handwritten signature in black ink, reading 'Richard E. Freudenberger', written in a cursive style.

Richard E. Freudenberger
Senior Vice President

REF:ljw
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Enclosures

cc: Mr. Eddy So
RWQCB, San Francisco Region
2101 Webster Street, Fourth Floor
Oakland, CA 94612

Mr. Henry Jones
Manager, Engineering Affairs
Grow Group, Inc.
P.O. Box 7600
4000 DuPont Circle
Louisville, KY 40207

Mr. David B. Russell
Grow Group, Inc.
Pan Am Building
200 Park Ave.
New York, NY 10166

Mr. Rafat A. Shahid
Assistant Agency Director
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Mr. Mark Thomson
Alameda County District Attorney's Office
Consumer and Environmental Protection Division
7677 Oakport Street, Suite 400
Oakland, A 94621

Mr. Edgar B. Howell
Chief
Alameda County Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Mr. Edward Kozel
5116 Cochrane Avenue
Oakland, CA 94618

Mr. L. Randolph Harris
McInerney & Dillon
One Kaiser Plaza
18th Floor
Oakland, CA 94612-3610

Richard E. Freudenberger, P.E.
Senior Vice President

Relevant Experience

Mr. Freudenberger has lengthy experience in performing environmental assessments and remedial investigations, in waste treatment process design, and in technical management programs. He directs the technical staff in a wide range of projects and is currently serving as Regional Manager in ESC's San Jose office.

Mr. Freudenberger has been most heavily involved in the design of groundwater cleanup and Superfund remedial investigation programs, assessments for mergers and acquisitions, environmental audits, and environmental assessments for major corporate clients. His previous service with local governments qualifies him to represent clients effectively in negotiations with regulatory agencies.

Mr. Freudenberger has worked with ESC clients in various industries in designing and planning extensive investigations and cleanups under CERCLA (Superfund), RCRA, and ECRA regulations. These industries have included wood preserving, petroleum refineries, telecommunications, automotive parts manufacturing, and industrial chemicals. Specifically, in two Superfund projects, he directed the preparation of remedial investigations and feasibility studies to address the characterization and remediation of groundwater contamination by chlorinated organics.

He has designed detailed health and safety and soil sampling plans for dioxin, performed field sampling programs, and directed the remedial activities in the field for the cleanup and secure storage of the dioxin-contaminated soils.

Mr. Freudenberger has designed sampling and remedial action programs for groundwater and soil contamination at numerous industrial sites and has performed more than 200 industrial site surveys and risk assessments for a variety of industrial clients. He also oversaw a wastewater facility construction management contract for the city of Baltimore from 1979 to 1981.

Mr. Freudenberger was Director of Public Works for Howard County, Maryland, with management responsibility for solid waste collection and disposal, environmental engineering, wastewater treatment, road maintenance, engineering, and capital projects. He also was Project Engineer for a \$50-million expansion of the county's wastewater treatment plant and successfully directed the permitting and siting process for a new 600-acre sanitary landfill. He spent 3 years as Superintendent of Operations and Maintenance for a 10-million-gallon per day secondary wastewater treatment plant.

Professional Credentials

Maryland, New York, Virginia, Georgia, Kentucky, Indiana, and Minnesota Registered Professional Engineer

Maryland Certified Wastewater Treatment Plant Operator

Diplomate of the American Academy of Environmental Engineers

California Registered Environmental Assessor

Nevada Certified Environmental Manager

Education

M.S., Environmental Engineering, University of Maryland

B.S., Civil Engineering, University of Maryland

Jacqueline P. Thiell
Assistant Regional Director, California

Relevant Experience

Ms. Thiell has extensive experience in environmental science. Her responsibilities include project management for the investigation and remediation of contaminated sites, designing and implementing corporate environmental management programs, evaluation of environmental claims, and conducting risk assessments and environmental audits in the United States and abroad.

At ESC, Ms. Thiell has written environmental sampling programs, analyzed data results, prepared remedial investigation reports, and developed feasibility studies and work plans for remediating contaminated sites pursuant to various environmental regulatory programs. These programs include the federal CERCLA and RCRA programs and state program initiatives such as the New Jersey ECRA program as well as voluntary response actions. Ms. Thiell has prepared client-specific corporate environmental management programs, including developing policy and procedures manuals to ensure compliance with applicable environmental regulations and to limit areas of potential liability. Ms. Thiell has prepared and presented training programs to major corporations on conducting environmental assessments for property acquisitions and divestitures.

Ms. Thiell conducts environmental risk assessments for insurance purposes, mergers and acquisitions, and real estate transactions. She reviews files and prepares opinion letters relating to environmental claims. She also provides regulatory and policy analysis of federal and state hazardous waste statutes and regulations. As a former EPA employee, Ms. Thiell is intimately familiar with the regulations and policies governing the investigation and remediation of Superfund sites and RCRA corrective action. While working in ESC's office in Chester, England, Ms. Thiell conducted environmental audits in several European Community (EC) member states comparing their varying standards of environmental liability. She was also responsible for tracking EC initiatives and assessing the potential impact of these initiatives on companies operating in Europe.

As an Environmental Scientist with the U.S. EPA, Ms. Thiell developed enforcement strategies, policies, and guidance documents for the application and implementation of RCRA and CERCLA programs. She provided case support for the negotiation and settlement of RCRA and CERCLA enforcement agreements, reviewing draft agreements, negotiating site-specific agreements, and resolving disputes. Ms. Thiell reviewed permit applications for mobile PCB technology and prepared rulemaking packages for the Superfund National Priorities List. She also served as liaison between EPA headquarters and regional offices regarding RCRA policies and guidance documents.

Professional Credentials

OSHA 40-hour health and safety training

Publications

Thiell, J. Spring 1991. Current International Developments, Civil Liability for Waste. *Environmental Claims Journal*, Vol. 3, No. 3.

Thiell, J. March 24, 1988. Elevation Process for Achieving Compliance at Federal Facilities Under RCRA. EPA.

Thiell, J. January 25, 1988. Enforcement Actions Under RCRA and CERCLA at Federal Facilities. EPA.

Thiell

Education

M.P.A., Public Affairs, Indiana University

M.S., Environmental Science, Indiana University

B.S., Environmental Science, Florida Institute of Technology

Robert Bealkowski
Senior Environmental Scientist

Relevant Experience

Mr. Bealkowski has substantive experience with remedial design and remedial investigations and feasibility studies. In his capacity as a field scientist, he has supervised the drilling and installation of monitoring wells, recovery wells, air extraction wells, and soil borings. Mr. Bealkowski's experience in field investigations includes down-hole video logging, potential conduit studies, *in-situ* soil and groundwater surveys, cone penetrometer testing, and soil gas surveys. His remedial experience includes installation of slurry walls, groundwater treatment systems, *in-situ* vapor extraction and vacuum treatment systems, and operation and maintenance of these systems.

Mr. Bealkowski has prepared work plans and overseen the implementation of various excavation and disposal projects. He has experience in preparing budgets and cost estimates for all field and construction projects including implementation of cost tracking systems. In addition, he is familiar with implementing and conducting field audits pertaining to performance and system controls with respect to quality assurance/quality control (QA/QC).

Mr. Bealkowski has implemented several CERCLA groundwater monitoring programs in compliance with regulatory agency standards and onsite internal standards. Site monitoring included collection of groundwater, soil, and soil vapor samples for ongoing site monitoring programs. Mr. Bealkowski has worked with EPA Region IX at several volatile organic compound contaminated sites that included multiple aquifer contamination and a variety of potentially responsible parties (PRPs). He developed a sampling plan, quality assurance project plan (QAPP), and a unified reporting format that involved coordinating the effort for up to 13 PRPs and their individual consulting companies.

Mr. Bealkowski has instituted several QA/QC programs for CERCLA and private sector hazardous waste sites in California. He has experience in writing QAPPs, quality assurance reports, remedial investigation reports and feasibility studies, remedial work plans, remedial action plans, source control remedial designs, quarterly site monitoring reports, cost allocation studies, sampling and analysis plans, and health and safety plans.

Mr. Bealkowski is familiar with California state and local requirements for permitting for multiphase discharges, easements, and well installation and abandonment. He also has evaluated several analytical laboratories on the basis of detailed laboratory audits and stringent QA/QC compliance for both SW-846 and contract laboratory program monitoring.

Professional Credentials

OSHA 40-hour health and safety training
OSHA 8-hour supervisor training

Education

B.S., Physical Science Hydrology, California State University, Chico

Harry W. Short, R.G.
Associate Senior Geologist

Relevant Experience

Mr. Short has wide-ranging experience with environmental investigations and geophysical and geotechnical projects of various sizes at the regional, state, and federal levels nationwide. He has conducted and managed groundwater monitoring, hazardous sites studies, tank closures, construction projects, building renovations, soils testing and analysis, and design of site drainage systems. He has worked on projects for the Army Corps of Engineers, the Nuclear Regulatory Commission, the U.S. Navy, electric utility companies, and public health departments, among others. In California, Mr. Short has worked with the Department of Water Resources, has performed Phase I site investigations, underground tank removals and installations, and geologic mapping, and has written environmental impact reports.

Projects for which Mr. Short provided support include aqueduct and dam construction and inspection, residential developments, and facility renovation and repair. He has supervised onsite contractors and provided liaison and advice to clients. He conducted a site investigation for sewer plant outfall lines in California, seismic refractions surveys, and electrical resistivity studies to locate geologic faults. He also has participated in safety evaluations and recommended corrective actions.

Mr. Short has collected and compiled various geological data in the form of geologic maps and drill logs. He has also evaluated analytical results for soil and groundwater samples in comparison to state-specific investigation and remediation standards. As project manager for the investigation of a dam site in West Virginia and slope stability investigations for transmission lines in Tennessee, Ohio, Virginia, West Virginia, and Kentucky, he inspected proposed tower site locations and evaluated inherent slope stability problems. The work involved core drilling and constructing horizontal draining systems to enhance slope stability problems. The work involved core drilling and constructing horizontal draining systems to enhance stability at many sites.

Professional Credentials

California Registered Geologist No. 243
California Certified Engineering Geologist No. 130
California Environmental Assessor, REA 03684
Tennessee Registered Professional Geologist No. TN2157
Association of Engineering Geologists, San Francisco Section
OSHA 40-hour health and safety training
OSHA 8-hour supervisor training

Education

Graduate studies at the University of Oregon
B.S., Geology, University of North Dakota

As a California Registered Geologist, I certify the content of the report prepared by Environmental Strategies Corporation entitled Underground Storage Tank Closure and Supplemental Soil and Groundwater Investigation Report.

