

REPRESENTATIVE PROJECTS

EBS/FOSL/FOST/FOSET Preparation for BRAC Bases

- Currently preparing Finding of Suitability for Early Transfer (FOSET) for portion of former Naval Air Station Alameda and FOSTs for remaining areas. Worked with Navy to format FOSET to accommodate large number of parcels, address remaining regulatory issues, and ensure that related documents are prepared. Prepared risk evaluation for UST, fuel line, and RCRA sites. Responded to Navy and agency comments.
- As a long-term contributor to the EBS/FOSL/FOST activities in the Bay Area, developed extensive experience in conducting and preparing EBSs and FOSLs. Experience includes preparation, oversight and/or review of 24 EBSs and 16 FOSLs covering over 1,500 acres of property. The EBSs include numerous site-specific EBSs, as well as baseline EBSs conducted to enable the lease of certain areas before a Basewide EBS had been completed. In addition, contributed to the preparation of a Supplemental EBS in support of a federal agency-to-federal agency transfer. EBSs activities have included scoping meetings, comment resolution meetings, and preparation of various types of risk evaluations. FOSLs have included single-parcel FOSLs, multi-parcel/Sector FOSLs and Zone-wide FOSLs. Also prepared expanded FOSLs containing a risk evaluation.
- On behalf of the Port of Oakland, prepared a FOST for Fleet and Industrial Supply Center Oakland (FISCO) for 79 on-shore parcels to be transferred. The FOST included review and analysis of current subsurface conditions (including remedial investigation and UST sites), review of applicable NEPA documentation, regulatory agency negotiations, and public participation support. Also supported preparation of FOSET for remaining parcels.
- Managed the preparation of the Sector II SSEBS and FOSL covering approximately 1,000 acres of property at NAS Alameda. Conducted scoping meeting and site tour with regulatory agencies. Led data evaluation and provided QA/QC. Prepared risk evaluation and coordinated efforts of PRC staff located in Denver.
- Managed preparation of Sector SSEBS and FOSL covering approximately 500 acres of property at NAS Alameda. Designed report format to allow effective data analysis for 76 individual parcels. Conducted

AREAS OF EXPERTISE

- **EBS/FOSL/FOST/FOSET Preparation for BRAC Bases**
- **Site Investigation and Remediation Programs (including activities pursuant to CERCLA, RCRA Corrective Action and California PEA)**
- **Remedial Technology Selection & Costing**
- **EIR/S Preparation**
- **Litigation Support**
- **Regulatory Agency Negotiations**
- **Diesel Emission Reduction Technology**
- **Training**

Education:

B.S., Chemical Engineering,
Massachusetts Institute of Technology
Cambridge, MA, 1983

Professional Engineer, CH5055 (California)
California Registered Environmental Assessor I

Years of Experience: 17

EXPERIENCE SUMMARY

Susanne von Rosenberg is a chemical engineer with 17 years experience in environmental consulting, engineering and research. She has extensive experience in conducting remedial investigations and feasibility studies for various types of sites. Ms. von Rosenberg has comprehensive experience in preparing environmental documentation (including EBSs, FOSLs, FOSTs, and FOSETs) for military facilities subject to the Base Realignment and Closure (BRAC) Program. She is also experienced in litigation support for remediation projects and environmental planning (EIS/R) document preparation. Other experience includes environmental training, extensive regulatory agency negotiations, environmental site assessments, and environmental compliance audits.



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scoping meeting and site tour with regulatory agencies. Led data evaluation and provided QA/QC. Prepared risk evaluation and negotiated lease restrictions with regulatory agencies. The draft 4-volume document was completed within a five-week period to meet the schedule requested by the Reuse Authority.

- On behalf of the Port of Oakland, conducted EBS and prepared FOSL for FISCO, Lease Areas 2A and 3A. The Port wished to expedite the lease of this portion of the facility as part of its Vision 2000 project. Conducted scoping meeting with regulatory agencies, site visit, document review, and data evaluation. Prepared risk evaluation and negotiated lease restrictions with regulatory agencies. The EBS and FOSL were completed within three months. Subsequently prepared FOSL documents for Lease Areas 3B, 3C, 4A, 4, and 5 (the remainder of the base). These FOSLs included risk evaluations to address potential human health concerns.
- Managed preparation of Basewide FOSL with extensive risk evaluation for former Naval Communications Station (NCS) Stockton. Conducted scoping meeting and site tour with regulatory agencies. Led data evaluation and provided QA/QC. Negotiated approach to risk evaluation and lease restrictions with regulatory agencies. Issues addressed included radiological concerns and management of a proposed wildlife area.
- Assisted with the preparation of EBSs, FOSLs and related documents for Lease Areas 1 and 2 at FISCO. Responded to agency comments, and attended comment resolution meeting. Provided QA/QC of revised documents.

EIR/S Preparation

- Served as deputy project manager and local liaison for the 50-foot dredging project EIS/R/FS being prepared by SAIC under contract to the Port. Also led the preparation of the FS, evaluating human health risk resource area, and contributing to the regulatory framework. Project management activities included intensive interactions with the Port, including daily contact with various Port staff and on-going participation in internal Port meetings, then disseminating the technical and “soft” information gathered from these interactions to the other seven firms on the project team, coordinat-

ing the production schedule for the document with the Port to ensure that the required information being developed by the Port is available when needed for the EIS/R. Furthermore, Ms. von Rosenberg worked with Port staff and representatives from the other project teams to help ensure consistency between the various environmental documents, and to help allocate impacts and benefits to the various projects. The FS prepared by Ms. von Rosenberg was praised by US Army Corps of Engineers Headquarters staff as one of the best prepared documents they had ever seen.

- Served as the Project Manager for the Joint Intermodal Terminal project EIS/R/FS prepared by GAIA under contract to the Port. Project management activities included intensive interactions with four subcontracted firms on the project team and the Port, including daily contact with various Port staff and on-going participation in internal Port meetings, and coordinating the production schedule for the document with the Port. Furthermore, Ms. von Rosenberg worked with Port staff and representatives from the other project teams to help ensure consistency between the various environmental documents, and to help allocate impacts and benefits to the various projects.

Site Investigation and Remediation Programs (CERCLA, RCRA Corrective Action and California PEA):

- As the feasibility study leader for a large consulting firm, managed/completed numerous large feasibility studies and remedial action plans, and provided QA/QC for numerous site remediation projects. Task leader for litigation support for CERCLA/RCRA projects (see below). Clients include electronics manufacturers, transportation industries, government agencies, and food processors. Compounds detected at the sites included dioxins/furans, pesticides, PCBs, chlorinated solvents (including DNAPLs), lead and other heavy metals, polynuclear aromatic hydrocarbons, aromatic solvents (BTEX and mineral spirits, including LNAPL pools) and various petroleum hydrocarbons. Negotiated with regulatory agency regarding remedial action objectives, and assisted clients with development of internal strategy and development of the remedial approach.

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- Prepared comprehensive workplan for assessing Naval property as part of the Base Realignment and Closure (BRAC) program. Developed workplan approach, and managed team of 30 people in creating 208 site-specific sampling plans contained in the workplan in two months. The workplan is consistent with PEA guidance, meets RFI requirements, and serves as the basis for obtaining regulatory agency sign-off for areas of the base not covered by the Installation Restoration program.
- Served as project manager for the Port of Oakland Embarcadero Cove State Superfund Site project from 1990 to 1994. Project components included conducting a remedial investigation and implementing an interim remedial measure. The remedial investigation incorporated a tidal study and sampling of near-shore sediments. The interim measure included grading the site, crushing the debris, installing a storm water culvert, and providing a chip seal cover. The chip seal eliminated migration/exposure pathways associated with dust exposure and soil transport in surface water run off. The Feasibility and Remedial Action Plan were completed in 1994, in accordance with the DTSC's Remedial Action Order and input from the RWQCB. After extensive negotiations with the regulatory agencies we were able to eliminate the deep groundwater as a potential concern at the site. A Community Relations Plan was also implemented at the site.
- Other CERCLA/Superfund experience includes implementation of a Preliminary Assessment (PA), development of a hazard ranking score (HRS), preparing a responsiveness summary, conducting community relations, and preparation of scoping documents and workplans.
- Coordinated RCRA Corrective Action requirements with State Superfund site remediation requirements at several sites in California. Assisted client in obtaining maximum flexibility by employing the most favorable components of each set of regulations.
- Managed/completed numerous smaller investigation/remediation projects, including underground storage investigation/remediation projects. Conducted site assessments, prepared workplans, su-

pervised field investigations, developed and implemented remedial activities, and prepared closure reports.

Litigation Support

- Task manager and major technical contributor to large-scale refinery remediation litigation. Developed remediation cost estimates for 2,300 acre refinery. Critiqued opponents' cost estimates. Evaluated past environmental expenses to determine actual (versus claimed) remediation expenses. Evaluated past remedial activities for NCP compliance/eligibility for cost recovery. Prepared information for and attended settlement negotiations. Provided support for and attended depositions. Prepared RCRA and CERCLA expert witnesses.
- Project manager for waterfront property litigation involving past releases of high levels of heavy metals. Conducted Phase II investigation, prepared risk evaluation addressing park users, residential use, commercial use, and construction workers. Prepared remediation scenarios and remedial costs for settlement negotiations. Critiqued remediation scenarios and cost estimates provided by opposing parties. Currently preparing risk management plan to accompany remedial action workplan for site.
- Project manager for TCE-contaminated site involving eight parties. Coordinated technical program, responded to other parties' concerns/ inquiries, evaluated and critiqued other parties' proposed investigation approaches. Successfully testified on behalf of client regarding likely remediation cost and property value.
- Project Manager for site investigation project for a large property in litigation for damages allegedly caused by lessor. Developed investigation approach consistent with requirements/strategy of the litigation program, negotiated with regulators and prepared sampling plan.

Regulatory Agency Negotiations

- Negotiated with DTSC to allow capping instead of complete excavation/ incineration at a PCB-affected State Superfund site. Cost savings were in excess of \$3 million.
- Conducted negotiations with county environmental health agencies in California and Nevada to al-

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low closure of various underground storage tank sites containing residual levels of hydrocarbons.

Diesel Emission Reduction Technology

- Prepared comprehensive report evaluating diesel emission reduction technologies for land-based (on-road and off-road) and marine construction equipment for a confidential client. Performed extensive literature research, coordinated with technology vendors, and obtained information from regulatory agencies. Evaluated viability of technologies for the proposed construction project, and operational feasibility. Also addressed potential for technologies to be by-passed by the equipment operator. Developed potential emission reduction factors based on specific recommended emission reduction technologies for approximately 50 different pieces of equipment. Subsequently provided technical critique of diesel emission reduction approaches prepared by others for proposed project alternatives.

Training

- Developed and presented combined OSHA HAZWOPER and RCRA training program for the U.S. Navy at Naval Station Treasure Island and Alameda Naval Air Station. One training session was customized for wastewater treatment plant operators. Training included an emergency response drill.
- Other training experience includes developing and presenting basic and supervisor level RCRA refresher training course, developing a groundwater monitoring course for client employees, and presenting on-going OSHA 8-hour Refresher, 8-hour Supervisor, and 40-hour hazardous waste operations classes for a hazardous waste training company.

Specialized Training

- American Bar Association Environmental Law Conference – ABA, 1999
- Natural Attenuation and Groundwater Remediation — US EPA, 1998
- Hazardous Waste and Superfund 1997 — ABA, 1990-1997
- Brownfields Satellite Conference 1997 – ABA, 1997
- Ecological Risk Assessment, UC Berkeley Extension, 1996
- DNAPL Site Diagnosis and Remediation — Waterloo Educational Services, 1995
- Groundwater and Contaminant Fate and Transport Modeling — NGWA, 1993
- DNAPL Transport and Remediation — NGWA Conference, 1992
- Natural Resource Damages Claims — Executive Enterprises, 1992
- The PRP Course — Government Institutes, 1991
- Environmental Regulations Course — UC Berkeley Extension, 1991
- OSHA HAZWOPER 8-hour Supervisor Training (1910.120), 1991
- Bioremediation Conference — HMCRI, 1990
- International Symposium on Innovative Technologies — EPA, 1990

Publications and Presentations

- “Brownfields: Collaboration and Innovation for the 21st Century” Civil Engineering News, August 1998
- “Technical Requirements of the RCRA Corrective Action Program” Executive Enterprises Seminar, San Francisco, CA, 1991

Affiliations

- President, Society of American Military Engineers – S.F. Post
- President, Past-President, and Member of Board of Directors – Professional Environmental Marketing Association