

HEALTH AND SAFETY PLAN FORM		<i>This document is for the exclusive use of CDM and its subcontractors</i>		CDM (Camp Dresser & McKee)			
CDM Health and Safety Program				PROJECT DOCUMENT #:			
PROJECT NAME	<u>Santa Susana Field Laboratory</u>	PROJECT#	<u>63376.1203.004</u>	REGION	<u>Southwest</u>		
SITE ADDRESS	<u>Area IV</u>	CLIENT ORGANIZATION	<u>United States Department of Energy</u>				
	<u>Ventura County, California</u>	CLIENT CONTACT	<u>Stephanie Jennings</u>				
		CLIENT CONTACT PHONE #	<u>(818) 466-8162</u>				
<input type="checkbox"/> AMENDMENT TO EXISTING APPROVED H&SP?							
<input type="checkbox"/> H&SP AMENDMENT NUMBER? _____		<input type="checkbox"/> DATE OF PREVIOUS H&SP APPROVAL _____					
OBJECTIVES OF FIELD WORK: (e.g. collect surface soil samples):		SITE TYPE: <i>Check as many as applicable</i>					
This project involves observing HydroGeoLogic, Inc. and their subcontractors perform direct push boring and collection of soil samples, as well as conventional collection of surface soil samples using stainless steel trowels. CDM personnel will collect surface soil samples using a slide hammer and stainless steel or brass sleeves.		Active	<input type="checkbox"/>	Landfill	<input checked="" type="checkbox"/>	Unknown	<input type="checkbox"/>
		Inactive	<input checked="" type="checkbox"/>	Uncontrolled	<input type="checkbox"/>	Military	<input type="checkbox"/>
		Secure	<input checked="" type="checkbox"/>	Industrial	<input checked="" type="checkbox"/>	Other (specify)	
		Unsecure	<input type="checkbox"/>	Recovery	<input type="checkbox"/>		
		Enclosed space	<input type="checkbox"/>	Well Field	<input type="checkbox"/>		
		All requirements described in the CDM Health and Safety Manual are incorporated in this health and safety plan by reference.					
PERSONNEL AND RESPONSIBILITIES		COMPANY or DIVISION	SUPERVISORY TRAINED?	PROJECT OR SITE RESPONSIBILITIES	Tasks On Site?		
NAMES OF WORK CREW MEMBERS							
Margaret (Peggy) Bloisa		CED/ERD	Yes	Field Team Leader and Site H&S Coordinator	1		
Shelley Samaritoni		CED/ERD	Yes	Field Team Leader and Site H&S Coordinator	1		
TBD				Site Technician	1		
TBD				Site Technician	1		
TBD				Site Technician	1		
TBD				Site Technician	1		
TBD				Site Technician	1		
TBD				Site Technician	1		
TBD				Site Technician	1		
TBD				Site Technician	1		
BACKGROUND REVIEW: <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Incomplete							

HEALTH AND SAFETY PLAN FORM*This document is for the exclusive use of CDM and its subcontractors***CDM (Camp Dresser & McKee)****CDM Health and Safety Program****PROJECT DOCUMENT #:****HISTORY:**

The Santa Susana Field Laboratory (SSFL) is located in southeastern Ventura County, California, and has an area of approximately 1,153 hectares (2,850 acres) near Simi Valley. The SSFL is separated into four administrative areas. Boeing owns and operates Areas III and IV. The SSFL facility includes, within Area IV, a specific operational area that was dedicated to the development and testing of components used in metallic sodium systems that was a part of the federal government's Energy Technology Engineering Center (ETEC). From the mid-1950s until the mid-1990s, the United States Department of Energy (DOE) and its predecessor agencies were engaged in or sponsored nuclear operations including the development, fabrication, disassembly, and examination of nuclear reactors, reactor fuel, and other radioactive materials. Associated experiments included large-scale liquid sodium metal testing for fast breeder reactor components. Nuclear operations at ETEC included 10 nuclear research reactors, seven critical facilities, the Hot Laboratory, the Nuclear Materials Development Facility, the Radioactive Materials Handling Facility, and various test and radioactive material storage areas. In addition to the handling and processing of radioactive materials, these DOE facilities also used non-radioactive chemicals, a variety of specialty metals, and other hazardous materials (e.g., polychlorinated biphenyls [PCBs], solvents, and lead-based paints) in their operations. All nuclear research in Area IV was terminated in 1988 when DOE shifted its focus at SSFL from research to decontamination and decommissioning activities. Decontamination and decommissioning of the sodium test facilities started in 1996, when DOE determined that the entire ETEC facility was surplus to its mission. At that time, DOE began formal closure of its facilities in Area IV and began cleanup activities in preparation for return of the property to Boeing. DOE discontinued decontamination and demolition of the remaining facilities in 2008, but has continued surveillance, maintenance, monitoring and investigation activities. This includes investigation of soil and groundwater, as required under the Department of Toxic Substances Control Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) and the United States Environmental Protection Agency radiological investigation.

WASTE TYPES: Liquid Solid Sludge Gas Unknown Other, specify:**WASTE CHARACTERISTICS:** *Check as many as applicable.*

- Corrosive Flammable Radioactive
 Toxic Volatile Reactive
 Inert Gas Unknown
 Other: _____

WORK ZONES:

Work zones will be developed on a case-by-case basis by HydroGeoLogic, Inc. Personnel inside of the exclusion zone must be in Level D (modified) protective equipment. CDM personnel must coordinate surface soil collection activities with HGL prior to entry into any defined work area.

HAZARDS OF CONCERN: *Check as many as applicable.*

- Heat Stress [CDM Guideline](#) Noise [CDM Guideline](#)
 Cold Stress [CDM Guideline](#) Inorganic Chemicals
 Explosive/Flammable Organic Chemicals
 Oxygen Deficient Motorized Traffic
 Radiological Heavy Machinery
 Biological -- Snakes, bees, pois(X) Slips & Falls [CDM Guideline](#)
 Other: _____
 Other: _____

FACILITY'S PAST AND PRESENT DISPOSAL METHODS AND PRACTICES:

Contaminants of concern (COCs) have not been identified for this facility. The current analytical list includes the same analyses that are bring performed for the RFI. Poor housekeeping practices, leaking piping/storage tanks, and minor spills are the expected causes of contamination.

This plan incorporates CDM's procedure for:*(Click on the relevant topics to download the hazard guideline. Delete irrelevant topics.)*[Housekeeping](#)[Traffic and Work Zone Safety](#)[Working Around Heavy Equipment](#)[Working Safely Around Geoprobes](#)

HEALTH AND SAFETY PLAN FORM

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**CDM (Camp Dresser & McKee)
PROJECT DOCUMENT #:**

CDM Health and Safety Program

DESCRIPTION AND FEATURES:

Include principal operations and unusual features (containers, buildings, dikes, power lines, hillslopes, rivers, etc.)

The Santa Susana Field Laboratory (SSFL) is located in southeastern Ventura County, California, and has an area of approximately 1,153 hectares (2,850 acres) near Simi Valley. The SSFL is separated into four administrative areas. The Boeing Company (Boeing) owns most of Area I, except for 42 acres that are owned by the federal government and administered by the National Aeronautics and Space Administration (NASA). Area II is also owned by the federal government and administered by NASA. The NASA portions are operated by Boeing. Boeing owns and operates Areas III and IV. The SSFL facility includes, within Area IV, a specific operational area that was dedicated to the development and testing of components used in metallic sodium systems that was a part of the federal government's Energy Technology Engineering Center (ETEC). Areas I, II, and III were used by predecessors of Boeing, NASA, and the Department of Defense for rocket engine and laser testing. Environmental contamination resulting from activities in Areas I, II, and III is the responsibility of Boeing and NASA and is not part of the scope of the sampling effort that is guided by **Master Work Plan/Field Sampling and Analysis Plan, Co-Located Chemical Sampling at Area IV, Santa Susana Field Laboratory, Ventura County, California**. DOE was and remains responsible for operation of the ETEC located in Area IV.

SURROUNDING POPULATION:

Residential Industrial Commercial Rural Urban OTHER:

HAZARDOUS MATERIAL SUMMARY:

Highlight or bold waste types and estimate amounts by category.

CHEMICALS: <i>Amount/Units: Unknown</i>	SOLIDS: <i>Amount/Units: Unknown</i>	SLUDGES: <i>Amount/Units: Unknown</i>	SOLVENTS: <i>Amount/Units: Unknown</i>	OILS: <i>Amount/Units: Unknown</i>	OTHER: <i>Amount/Units: Unknown</i>
Acids	Flyash	Paints	Ketones	Oily Wastes	Laboratory
Pickling Liquors	Mill or Mine Tailings	Pigments	Aromatics	Gasoline	Pharmaceutical
Caustics	Asbestos	Metals Sludges	Hydrocarbons	Diesel Oil	Hospital
Pesticides	Ferrous Smelter	POTW Sludge	Alcohols	Lubricants	Radiological
Dyes or Inks	Non-Ferrous Smelter	Distillation Bottoms	Halogenated (chloro, bromo)	Polynuclear Aromatics	Municipal
Cyanides	Metals	Aluminum	Esters	PCBs	Construction
Phenols	Dioxins		Ethers	Heating Oil	Munitions
Halogens					
Other - specify	Other - <i>specify</i>	Other - <i>specify</i>	Other - <i>specify</i>	Other - <i>specify</i>	Other - <i>specify</i>

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KNOWN CONTAMINANTS		HIGHEST OBSERVED CONCENTRATION	PEL/TLV <i>ppm or mg/m³ (specify)</i>	IDLH <i>ppm or mg/m³ (specify)</i>	Warning Concentration <i>(in ppm)</i>	SYMPTOMS & EFFECTS OF ACUTE EXPOSURE	PHOTO IONIZATION POTENTIAL
Radiological	See Table 4-2 in the HGL HASP	50 mrems per quarter (per HGL's HASP)	Varies	3X Background (per HGL's HASP)	Nausea, vomiting, headache, fatigue, weakness, fever, hair loss, infections, bloody vomit and stools, and poor wound healing	N/A	
Chemical	See Table 4-1 in the HGL HASP	Varies	Varies	Will follow all instructions from HGL staff, who will be monitoring the breathing zone according to their HASP.	Varies	Varies	
<p>NA = Not Available NE = None Established U = Unknown</p> <p>S = Soil SW = Surface Water T = Tailings W = Waste TK = Tanks SD = Sediment A = Air GW = Ground Water SL = Sludge D = Drums L = Lagoons OFF = Off-Site</p> <p>Verify your access to an MSDS for each chemical you will use at the site.</p>							

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OTHER KNOWN HAZARDS	DESCRIPTION OF HAZARD	MANAGEMENT OF HAZARD
HEAT STRESS	<p>Heat Stress may be experienced on this project. One or more of the following conditions indicates excessive heat strain:</p> <ul style="list-style-type: none"> • Sustained (several minutes) heart rate in excess of 180 beats per minute minus the individual's age in years, for individuals with normal cardiac performance • Body core temperature is greater than 38.5 °C (101.3 °F) for acclimatized personnel; or greater than 38°C (100.4°F) in unselected, unacclimatized workers • Recovery heart rate at one minute after a peak work effort is greater than 120 beats per minute • Symptoms of sudden and severe fatigue, nausea, dizziness, or lightheadedness. <p>An individual may be at a greater risk of heat-related disorders if profuse sweating is sustained over hours or weight loss over a shift is greater than 1.5 percent of body weight.</p>	<p>Daily schedules shall account for weather conditions and temperature and be adjusted as needed to minimize stress.</p> <p>Job-specific controls that may be implemented include:</p> <ul style="list-style-type: none"> • alternations of tasks to reduce metabolic rate, • installation of shade in the work area, • increased general air movement, and • shielding of radiant heat sources. • adjustment of work/rest schedules, increased water intake, and limit of physiological strain. • PPE that is appropriate for the specific work practices and conditions. <p>If a worker appears to be disoriented or confused, suffers inexplicable irritability, malaise, or chills, the worker will be moved to a cool location for rest and kept under observation.</p> <p>Absent medical advice to the contrary, this will be treated as an emergency with immediate transport to a hospital.</p>
BIOLOGICAL HAZARDS	<p>Multiple biological hazards may be encountered, particularly when working in the more remote areas of the site. Potential biological hazards include mountain lions, spiders, stinging insects, snakes, rodents, ticks and mosquitoes, poisonous and noxious plants, and microorganisms left in dried bird and rodent excrement. Snakes including rattlers are numerous in the area and may present problems to field crews. Pacific Poison Oak is present in many locations.</p>	<p>To minimize contact with snakes, individuals walking on site shall avoid tall grass and vegetation and avoid placing hands in concealed areas. All staff working in areas of tall grass or around rock outcrops will be required to wear snake gaiters.</p> <p>Individuals shall avoid heavily vegetated areas which may contain poison oak. If possible, the poison oak will be cleared from the work area before any work activities take place.</p> <p>Controls for biting or stinging insects include:</p> <ul style="list-style-type: none"> • wearing light colored clothing, • avoiding perfumes and • using insect repellent. <p>Workers will wear proper clothing, including long pants, to deter insect bites. Pants should be tucked inside of, or taped to, work boots.</p> <p>To control potential contact with dust that may be carrying hanta virus, a visual survey of the area to note whether rodents are present will be performed. If it is determined that rodents may be near the work area, or the area is affected by wind blowing dust, specific preventative measures will be taken.</p>

HEALTH AND SAFETY PLAN FORM

CDM (Camp Dresser & McKee)

CDM Health and Safety Program

PROJECT DOCUMENT #:

OTHER KNOWN HAZARDS	DESCRIPTION OF HAZARD	MANAGEMENT OF HAZARD
BRUSH FIRES	Field activities may take personnel into remote areas of Area IV at SSFL to perform the surface and subsurface collection of soil samples. Exhaust systems on vehicles can reach a temperature of more than 1,000°F and it only takes about 500°F degrees to start a brush fire in the summer. Driving or parking on dry, brushy areas can cause a fire. CDM personnel will not be operating any other equipment that may cause a brush fire.	<ul style="list-style-type: none">• Vehicles will only be operated on paved roads or on clearly established, well-maintained dirt roads• Vehicles will not be operated in grass or brush areas where no clearly established dirt road exists• Dry grass/brush contact will be avoided with hote engines, exhausts, and catalytic converters• Vehicles will not be be parked on dry grass or brush.• Vehicles will not be operated on poorly maintained dirt roads with grass growing in the centerline.

HEALTH AND SAFETY PLAN FORM CDM Health and Safety Program		<i>This document is for the exclusive use of CDM and its subcontractors</i>	CDM (Camp Dresser & McKee) PROJECT DOCUMENT #:
SPECIFIC TASK DESCRIPTIONS		Disturbing the Waste?	TASK - SPECIFIC HAZARDS
			HAZARD & SCHEDULE
1	Surface and Subsurface Soil Sampling	Intrusive Non-intrusive	-Exposure to radiological and chemical contamination during sampling. -Drill rig activities. Low Hazard
2		Intrusive Non-intrusive	
3		Intrusive Non-intrusive	
4		Intrusive Non-intrusive	
5		Intrusive Non-intrusive	
6		Intrusive Non-intrusive	
SPECIALIZED TRAINING REQUIRED: All personnel working on this project will have: 1) successfully completed 40-hour OSHA HAZWOPER training 2) be current on the annual 8-hour refresher training 3) attend the Boeing Site Orientation Class.		SPECIAL MEDICAL SURVEILLANCE REQUIREMENTS: All personnel working on this project will participate in CDMs occupational medical surveillance program in accordance with OSHA requirements under 29 CFR 1910.	
OVERALL HAZARD EVALUATION:		(<input type="checkbox"/>) High (<input type="checkbox"/>) Medium (<input checked="" type="checkbox"/>) Low (<input type="checkbox"/>) Unknown	
JUSTIFICATION:		Past sampling at the Santa Susana Field Laboratory has indicated low levels of contamination. CDM personnel will also be working in an observation capacity except for surface sampling of semi-volatile organic compounds. CDM personnel will have limited contact with site soils.	
FIRE/EXPLOSION POTENTIAL:		(<input type="checkbox"/>) High (<input type="checkbox"/>) Medium (<input checked="" type="checkbox"/>) Low (<input type="checkbox"/>) Unknown	

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PROTECTIVE EQUIPMENT: *Specify by task. Indicate type and/or material, as necessary. Group tasks if possible. Use copies of this sheet if needed.*

BLOCK A

Respiratory: Not needed
 SCBA, Airline:
 APR:
 Cartridge: Particulates (P-100)
 Escape Mask:
 Other: Half-faced respirator

Head and Eye: Not needed
 Safety Glasses:
 Face Shield:
 Goggles:
 Hard Hat
 Other:

Boots: Not needed
 Steel-Toe Steel Shank
 Rubber Leather
 Overboots: Gators

Prot. Clothing: Not needed
 Encapsulated Suit:
 Splash Suit
 Apron:
 Tyvek Coverall or
 Saranex Coverall
 Cloth Coverall:
 Other:

Gloves: Not needed
 Undergloves:
 Gloves: latex/nitrile
 Overgloves:

Other: specify below
 Tick Spray--as necessary
 Flotation Device If Over Water
 Hearing Protection--Rig operation
 Hi-vis Safety Vest
 Sun Screen

TASKS: 1-2-3-4-5-6-7-8-9-10
 LEVEL: A-B-C-D-Modified
 Primary
 Contingency

BLOCK B

Respiratory: Not needed
 SCBA, Airline:
 APR:
 Cartridge:
 Escape Mask:
 Other:

Head and Eye: Not needed
 Safety Glasses:
 Face Shield:
 Goggles:
 Hard Hat:
 Other:

Boots: Not needed
 Steel-Toe Steel Shank
 Rubber Leather
 Overboots: Latex

Prot. Clothing: Not needed
 Encapsulated Suit:
 Splash Suit
 Apron:
 Tyvek Coverall or
 Saranex Coverall
 Cloth Coverall:
 Other:

Gloves: Not needed
 Undergloves:
 Gloves:
 Overgloves:

Other: specify below
 Tick Spray--as necessary
 Flotation Device If Over Water
 Hearing Protection
 Hi-vis Safety Vest
 Sun Screen

TASKS: 1-2-3-4-5-6-7-8-9-10
 LEVEL: A-B-C-D-Modified
 Primary
 Contingency

Exit

Area

BLOCK C

Respiratory: Not needed
 SCBA, Airline:
 APR:
 Cartridge:
 Escape Mask:
 Other:

Head and Eye: Not needed
 Safety Glasses:
 Face Shield:
 Goggles:
 Hard Hat:
 Other:

Boots: Not needed
 Steel-Toe Steel Shank
 Rubber Leather
 Overboots:

Prot. Clothing: Not needed
 Encapsulated Suit:
 Splash Suit
 Apron:
 Tyvek Coverall or
 Saranex Coverall
 Cloth Coverall:
 Other:

Gloves: Not needed
 Undergloves:
 Gloves: latex/nitrile
 Overgloves:

Other: specify below
 Flotation Device If Over Water
 Flotation Device If Over Water
 Hearing Protection
 Sun Screen

TASKS: 1-2-3-4-5-6-7-8-9-10
 LEVEL: A-B-C-D-Modified
 Primary
 Contingency

BLOCK D

Respiratory: Not needed
 SCBA, Airline:
 APR:
 Cartridge:
 Escape Mask:
 Other:

Head and Eye: Not needed
 Safety Glasses:
 Face Shield:
 Goggles:
 Hard Hat:
 Other:

Boots: Not needed
 Steel-Toe Steel Shank
 Rubber Leather
 Overboots:

Prot. Clothing: Not needed
 Encapsulated Suit:
 Splash Suit
 Apron:
 Tyvek Coverall or
 Saranex Coverall
 Cloth Coverall:
 Other:

Gloves: Not needed
 Undergloves:
 Gloves:
 Overgloves:

Other: specify below
 Flotation Device If Over Water
 Flotation Device If Over Water
 Hearing Protection
 Sun Screen

TASKS: 1-2-3-4-5-6-7-8-9-10
 LEVEL: A-B-C-D-Modified
 Primary
 Contingency

This health and safety plan form constitutes hazard analysis per 29 CFR 1910.132

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MONITORING EQUIPMENT: <i>Specify by task. Indicate type as necessary. Attach additional sheets if needed.</i>			
INSTRUMENT	TASK	ACTION GUIDELINES	COMMENTS
Combustible Gas Indicator Type _____	1-2-3-4-5-6-7-8	<i>Specify:</i>	(X) Not Needed
Radiation Survey Meter	1-2-3-4-5-6-7-8	3 x Background: TBD <i>HydroGeoLogic will notify radiological technician lead. Follow radiological technician instructions at all times.</i>	() Not Needed To be provided by HydroGeoLogic, Inc.
Photoionization Detector 10.6 eV Lamp Type: TBD	1-2-3-4-5-6-7-8	Breathing Zone: 9.1 ppm sustained for 5 minutes per HydroGeoLogic Inc.'s HASP. <i>Follow HydroGeoLogic, Inc. staff H&S instructions if breathing zone exceeds action guidelines.</i>	() Not Needed To be provided by HydroGeoLogic, Inc.
Flame Ionization Detector Type _____	1-2-3-4-5-6-7-8	<i>Specify:</i>	(X) Not Needed
Single Gas Type _____ Type _____	1-2-3-4-5-6-7-8	<i>Specify:</i>	(X) Not Needed
Respirable Dust Monitor Type _____ Type _____	1-2-3-4-5-6-7-8	<i>Specify:</i>	(X) Not Needed
Other: Personal Air Monitoring <i>Specify:</i> Type _____ Type _____	1-2-3-4-5-6-7-8	<i>Specify:</i>	(X) Not Needed
Other: Colorimetric Tubes Type: TBD	1-2-3-4-5-6-7-8	If the PID action guidelines are exceeded, colorimetric tubes will be used to monitor for benzene and vinyl chloride, per HydroGeoLogic, Inc.'s HASP.	() Not Needed To be provided by HydroGeoLogic, Inc.

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DECONTAMINATION PROCEDURES

ATTACH SITE MAP INDICATING EXCLUSION, DECONTAMINATION, & SUPPORT ZONES AS PAGE TWO

<p>Personnel Decontamination <i>Summarize below or attach diagram;</i></p> <p>Will follow HydroGeoLogic, Inc. procedures since they will establish and maintain the Exclusion Zone and Decontamination Reduction Zone.</p> <p style="text-align: right;"><input type="checkbox"/> Not Needed</p>	<p>Sampling Equipment Decontamination <i>Summarize below or attach diagram;</i></p> <p>To be performed by HydroGeoLogic, Inc.</p> <p style="text-align: right;"><input type="checkbox"/> Not Needed</p>	<p>Heavy Equipment Decontamination <i>Summarize below or attach diagram;</i></p> <p>To be performed by HydroGeoLogic, Inc.</p> <p style="text-align: right;"><input type="checkbox"/> Not Needed</p>
<p>Containment and Disposal Method</p> <p>To be managed by HydroGeoLogic, Inc.</p>	<p>Containment and Disposal Method</p> <p>To be managed by HydroGeoLogic, Inc.</p>	<p>Containment and Disposal Method</p> <p>To be managed by HydroGeoLogic, Inc.</p>

HAZARDOUS MATERIALS TO BE BROUGHT ONSITE

<i>Preservatives</i>	<i>Decontamination</i>	<i>Calibration</i>
(X) Hydrochloric Acid <input type="checkbox"/> Zinc Acetate (X) Nitric Acid <input type="checkbox"/> Ascorbic Acid (X) Sulfuric Acid <input type="checkbox"/> Acetic Acid (X) Sodium Hydroxide <input type="checkbox"/> Other:	<input type="checkbox"/> Alconox™ <input type="checkbox"/> Hexane <input type="checkbox"/> Liquinox™ <input type="checkbox"/> Isopropanol <input type="checkbox"/> Acetone <input type="checkbox"/> Nitric Acid <input type="checkbox"/> Methanol <input type="checkbox"/> Other: <input type="checkbox"/> Mineral Spirits	<input type="checkbox"/> 100 ppm isobutylene <input type="checkbox"/> Hydrogen Sulfide <input type="checkbox"/> Methane <input type="checkbox"/> Carbon Monoxide <input type="checkbox"/> Pentane <input type="checkbox"/> pH Standards <input type="checkbox"/> Hydrogen <input type="checkbox"/> Conductivity Std <input type="checkbox"/> Propane <input type="checkbox"/> Other:

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CDM Health and Safety Program			PROJECT DOCUMENT #:		
EMERGENCY CONTACTS		EMERGENCY CONTACTS	NAME		
Water Supply	N/A	Health and Safety Manager	Shawn Oliveira		
Site Telephone	N/A	Project Manager	John Wondolleck		
EPA Release Report #:	(800) 424-8802	Site Safety Coordinator	Peggy Bloisa		
CDM 24-Hour Emergency #:	(571) 216-7004	Client Contact	Stephanie Jennings		
Facility Management	N/A	Other (<i>specify</i>)			
Other (<i>specify</i>)		Site Safety Coordinator	Shelley Samaritoni		
Boeing Communications Center:	(818) 466-8911	US EPA	Mary Aycock		
SAFETY NARRATIVE: <i>Summarize below</i> Evacuate site if any unexpected hazardous conditions are encountered. The buddy system will be employed for all work being done in the exclusion zone. The support zone will be located upwind of the drilling or sampling point, and will be adjusted as wind shifts during drilling and sampling activities. If evacuation is necessary, site staff will congregate upwind of the work zone in a predesignated area. If a work team observes hazards for which they have not been prepared, they will withdraw from the area and call the Site H&S Coordinator or H&S Manager for guidance. Solo CDM representatives will not enter or remain in an exclusion zone unless accompanied by a subcontractor or other qualified personnel. All H&S instructions provided by HydroGeoLogic, Inc. radiological technicians will be followed. No confined space operations will be included during the execution of the anticipated scope of this field work. All work will be performed during daylight hours and not within any structures located on site. Drinking water in portable containers equipped with a tap will be provided in the field by HGL in accordance with 8California Code of Regulation Section 5192(n). Flush toilets are available for use in Building 204 (EPA's on-site building) and Building 57 (adjacent to CDM's field trailer) and portable chemical toilets are located on the south side of Building 57.		State Spill Number	California (800) 852-7550		
		Fire Department	911		
		Police Department	911		
		State Police	911		
		Health Department	Services (805) 652-6165		
		Poison Control Center	Nationwide (800) 222-1222		
		Occupational Physician	Kenneth Chase (800) 777-9642		
		MEDICAL EMERGENCY		PHONE	
		Hospital Name: West Hills Hospital and Medical Center		(818) 676-4100	
		Hospital Address: 7300 Medical Center Drive, Los Angeles, CA 91307			
Name of Contact at Hospital:					
Name of 24-Hour Ambulance:					
Route to Hospital:					
1). Exit Boeing SSFL onto Woolsey Canyon Road and proceed down the mountain.					
2). Turn right onto Valley Circle Boulevard					
3). Turn left onto Roscoe Boulevard.					
4). Turn right onto Woodlake Avenue.					
5). Turn left onto Medical Center Drive.					
HEALTH AND SAFETY APPROVALS (H&S Mgr must sign each plan)		Distance to Hospital <u>Approximately 9 miles</u>			
Prepared by	<u>Shelley Samaritoni</u>	Date	<u>Jun 17, 2011</u>		
HSC Signature		Date	<u>Jun 17, 2011</u>		
HSM Signature		Date	<u>Jun 17, 2011</u>		

HEALTH AND SAFETY PLAN SIGNATURE FORM

CDM Health and Safety Plan

All site personnel must sign this form indicating receipt of the H&SP. Keep this original on site. It becomes part of the permanent project files. Send a copy to the Health and Safety Manager (HSM).

SITE NAME/NUMBER: Santa Susana Field Laboratory, Area IV

DIVISION/LOCATION: Ventura County, California

CERTIFICATION:

I understand, and agree to comply with, the provisions of the above referenced H&SP for work activities on this project. I agree to report any injuries, illnesses or exposure incidents to the site Health and Safety Coordinator (SHSC). I agree to inform the SHSC about any drugs (legal and illegal) that I take within three days of site work.

PRINTED NAME	SIGNATURE	DATE