

NIELSEN DILLINGHAM BUILDERS INC.
FORM S+H 5-1 JOB HAZARD ANALYSIS

JOB HAZARD ANALYSIS		Date:12 -13 - 99
Contract: LLNL - CSP 6/10		Phase: Drilling and Shoring
Group/Contractor/ Subcontractor/Subtier: Nielsen Dillingham Builders Inc.:		Location:CSP5 LLNL
ACTIVITY/ OPERATIONS	UNSAFE CONDITION, ACTION or OTHER HAZARD	PREVENTATIVE or CORRECTIVE ACTION THAT WILL BE TAKEN
All Phases	Dehydration , Sunburn	Drink liquids, take breaks, wear skin
	Back / Muscle Sprain	protection, Get help lifting, use
		equipment to lift.
" "	Eye Injury	Wear eye protection.
" "	Struck by Equipment	Wear safety vest.
" "	Injury / General	Know where 1 st Aid Kits are located
		know emergency procedures.
" "	Tripping / Falling	Alert employees to slippery conditions,
		mud, water, slopes.
Welding, Cutting, Burns	Burns / Fires / Explosion	Know location of fire extinguishers.
		Obtain Hot Work permit. Monitor all
		hot work. Issue fire watches and use fire
		Blankets, gloves, sleeves, and goggles.
	Inhaling paint / lead fumes	If the steel is painted, stop work and evaluate with the safety engineer.
	Hearing Loss	Use ear plugs >85 db's.
Tool / Saw / Drill Use	Electrocution	Use good tools with good cords.
		Check GFI operation
		Avoid water where cords connect.
Chain saw use	Struck by / cuts	Wear proper PPE: chaps, gloves, eye protection, and sturdy shoes.
		Ensure that the kick back device is in place.
		Ensure all safety equipment of the saw is in working order: hand release idle control, clutch adjusted, on - off switch, and general daily inspection.
	Fires	Fuel the saw away from combustibles or flames.
		Start the saw at least 10 feet away from the fueling area
Deliver Equipment to Site	Loading & Unloading of equipment	Driver trained to operate equipment.
	Equipment / Struck by equipment	Workers to wear safety vest while working around equipment
Excavation	Operator falling off equipment	Wear seat belt at all times.
	Roll over of Equipment	Do not "side hill" down ramp. Use
		Equipment with ROP's only.

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	Struck by cave in	Do not exceed 4' cuts before shoring
Traffic Control	Struck by Trucks	Maintain flagging operations. Enforce speed limits.
Import / Export Materials	Falling Debris	Make adequate space to load and unload materials. Use caution tape to mark loading areas.
Layout / Staking / Survey	Back Strain / Slip / Trips	Beware of slopes and surrounding
	Falls	Conditions. Use proper lifting and bending Techniques. Stay clear of moving Equipment.
Spread / Grade Material	Struck by Equipment	Stay clear of moving equipment. Be aware of all staked and marked working areas.
Drill Holes	Struck by Equipment	Be aware of moving equipment.
	Falls	Barricade all open trenches.
Clean Drill	Eye Injury	Wear eye protection
Fabrication & Assembly of Shoring	Cuts and Punctures	Use hand protection. Use buddy system when moving and fabricating. One man communication with crane or forklift operator. Assemble in designated lay down areas only.
Concrete Truck Operation	Backing Up / Struck by Truck	Use "Back-Up Man". Use back up alarm. Wear safety protective vest.
Pump Truck Operation	Instability / Struck by Hose or Boom.	Use proper cribbing. Outriggers fully extended. Keep away from excavation. Stay clear of Booms and Hoses. Wear safety vest.
Concrete Finishing	Hazmat Exposure	Proper PPE. Have MSDS's handy.
Crane Operations	Struck By Load / Instability	Use correct slings. Do not overload. Proper rigging. Use cribbing. Avoid mud, sand, and loose materials.
Set Soldier Beams and Bracing	Hand - Eye Injuries	Wear gloves, safety glasses.
Form Release / Stripping	Striking / Falling Forms	Stay clear of flying forms. Stay away from under suspended loads.
Excavation	Falls	Install steel cables as safety rails at the top of the shoring. Protect all areas where the fall potential exceeds 6' by either a barrier or hand rail.

Group/Contractor/Subcontractor Concurrence

Subtier Reviewer

LLNL/

NIELSEN DILLINGHAM BUILDERS INC.