

## APPENDIX D

### POTENTIAL HAZARDS OBSERVED AT REINDUSTRIALIZED FACILITIES

NOTE: The following represent only potential OSHA standards violations observed during a walk-through of ETPP privatized facilities on 4-5 August 1998 by a team comprised of two OSHA personnel, a DOE-ORO Reindustrialization Office representative, and a representative of DOE EH-5. The purpose was specific to the elements of the Privatization Objective in the OSHA-DOE Oak Ridge Pilot Enforcement Project Plan dated 10 June 1998 and was not intended to represent a simulated OSHA compliance inspection.

BLDG	COMPANY	STANDARD	HAZARD	Serious or Other
1401	American Technologies Inc. (ATI)	1910.212(a)(1)	The Webb 6' Steel Plate Roller did not have the ingoing nip points of the roller guarded.	Serious
		1910.212(a)(3)(ii)	The Wysong #402 Press did not have the Point of Operation fully guarded to preclude the operator from contacting the dogs and/or the shear.	Serious
		1910.253(b)(2)(iv)	A compressed gas cylinder was missing the valve protection cap.	Other
		1910.253(b)(iv)(iii)	oxygen/acetylene storage was not separated by a ½ hr fire wall or 20'	Serious
		1910.22(a)(1)	Poor housekeeping in the storage area	Serious
		1910.107(g)(2)	Spraying residue in the paint area was not cleaned as necessary	Other
		1910.107(g)(3)	A 5 gallon open top plastic bucket containing waste residue was not immediately removed and disposed of	Other

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		1910.305(g)(2)(iii)	The 480 volt flexible cable to the Lincoln CV 400 Welder was not provided with strain relief where the cable enters the back of the welder.	Other
		1910.303(g)(I)(ii)	Electrical disconnect at column J22 was blocked.	Serious
1401	Dynamic Tooling Systems Inc.	1910.219(c)(3)	The Cincinnati/Bickford Super Service Drill Press did not have the vertical spline shaft guarded	Serious
		1910.219(e)(3) & 1910.219(d)(1)	The belt and pulley of the Wells Mfg. Corp., band saw were not guarded	Serious
		1910.212(a)(3)(ii)	The unused portion of the blade of the Wells Mfg. Corp., bandsaw was not guarded	Serious
		1910.305(b)(1)	An unused opening in the junction box of the Wells Mfg. Corp. Bandsaw was not effectively closed in that it was missing a knockout	Other
		1910.303(b)(2)	120 volt metal receptacle boxes designed to be mounted were attached to extension cords.	Other
		1910.219(c)(2)	The horizontal shaft of the Carlton Milling Machine was not fully guarded	Serious
		1910.178(m)(5)(I)	The Hyster S150A forklift did not have the parking break set while it was unattended.	Other
		1910.22(a)(3)	Bay D, between columns 24 and E 23- Scrap lumber with protruding nails was not protected.	Serious

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		1910.219(e)(5)	Column 23 ½ - the cone belt and pulley of the drill press was not guarded in that the guard was left in the open position	Serious
		1910.215(b)(9)	The bench grinder was not provided with a tongue guard	Serious
		1910.305(g)(1)(I)	Flexible cords and cables were not approved and suitable for conditions of use and location: several machines not hard wired.	Serious
		1910.22 (b)(1)	Electrical cables on floors in aisles and passageways presented tripping hazards.	Other
		1910.333 (a)	Three-phase electrical service to machine tool being installed was energized while electrical panel on machine was open and bare electrical cable exited rear of machine into aisleway @ B21.POTENTIAL IMMINENT DANGER-corrected.	Serious
		1910.157(e)(2)	Portable fire extinguisher mounted at column B21 ½ did not evidence required monthly visual inspection since May 1998. Prior to May 1998, visual inspection dates were noted on inspection record tag attached to extinguisher.	Other
1401	Machine Kinetics	1910.212(a)(1)	The Brown & Sharp Lathe (#11) did not have a guard over the lathe chuck to preclude the operator from contacting the rotating lathe chuck	Serious
		1910.305(a)(1)(iii) (F)	The lamps used as local illumination at the machinery did not have bulb guards	

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		1910.303(f)	The circuits in electrical panel 6B8-1-1-4-1 (480 volt, 3 phase) were not labeled as to indicate its purpose	Other
		1910.215(b)(9)	The right side of the 8" Black and Decker Bench Grinder had the tongue guard adjusted to > 1/4"	
		1910.151(c)	Eyes and Body flushing facilities were not provided where corrosive materials such as the 55 gallon drums of Castrol Cleaner/Degreaser were used	Serious
		1910.303(b)(2)	The temporary disconnect switch for the welding receptacle was not used in accordance with its listing and labeling in that it was not permanently mounted. The disconnect was hung from temporary hangers welded to the disconnect box.	Serious
		1910.23(c)(1)	The mezzanine which was > 4' did not have guardrails	Serious
		1910.303(b)(2)	Metal electrical receptacle outlets were not mounted as designed in that the receptacles were attached to extension cords for temporary power.	Serious
		1910.303(g)(1)(ii)	Electrical panel PNL#1 was blocked.	Serious
		1910.157(e)(2)	Fire extinguisher mounted near rear emergency exit did not evidence required annual inspection.	Other
1401	Infrared Technologies Inc.	1910.243(c)(1)(ii)	The 3" pneumatic operated cut-off tool was not guarded	Serious
		1910.305(a)(1)(iii) (F)	The lamps used for illumination at the fixed machinery did not have bulb guards	Other

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		1910.134(e)(5)(I)	An employee with a beard was permitted to wear a respirator	Serious
		1910.252(c)(1)(iii)	Ventilation was not provided where stainless steel was being welded	Serious
		1910.219(e)(3) & 1910.219(d)(1)	The belt furnace did not have the inclined belt and pulley guarded	Serious
		1910.219(f)(3)	The chain and sprocket assembly of the belt furnace was not guarded	Serious
		1910.212(a)(3)(ii)	The unused portion of the DoAll Bandsaw was not guarded	Serious
		1910.215(b)(9)	The Millers Falls Tools Bench Grinder did not have the tongue adjusted to 1/4" or less	Serious
		1910.215(a)(4)	The Millers Falls Tools Bench Grinder did not have the work rest adjusted to 1/8" or less	Serious
		1910.157 (e)(2)	Portable fire extinguisher mounted on column D51/2 did not evidence required annual inspection nor monthly visual inspections noted on extinguisher tags of near-by devices.	Other
1401	Department of Energy (through its contractor BJC)	1910.23(c)(1)	Open sided floors and platforms > 4' were not protected with standard guardrails	Serious

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		1910.184(e)(1)	Center of Bldg. Near column J - a parts basket for the degreaser did not have a permanently affixed tag on the chain slings which indicate the ratings of the slings.	Other
		1910.219(c)(2)	Outside 1401 at Avenue F near overhead door 1W- The horizontal drive shafts of the cooling water supply pumps were not fully guarded.	Serious
		1910.22 (b)(1)	Floor mounted electrical box in F16 area 'General Area' left in middle of aisleway presenting a tripping hazard.	Other
		1910.303(f)	Electrical disconnect panel at column J1 did not have breakers labeled as to what they energize.	Serious
1036	Southern Freight Logistics	1910.151 (c)	Where employees may be exposed to corrosive materials such as 720D Thick Coat Resurfacer, flushing facilities were not provided for the eyes and body	Serious
		1910.303(f)	The electrical panels PNL B 1, 2 and 3 did have breakers labeled as to what they energize.	Serious
1035	Quintek	1910.212(b)	The 15" Craftsman Drill Press was not anchored.	Other
		1910.212(b)	The 10" Task Force Bandsaw was not anchored	Other
		1910.303(g)(2)(I)	The terminal screw of the Intronics Regulated Power Supply were energized with 120 volts/ac	Serious
		1910.212(a)(3)(ii)	The unused portion of the bandsaw blade of the Task Force Bandsaw was not guarded	Serious

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		1910.157(e)(2)	Portable fire extinguishers did not evidence required annual inspection.	Other
1035	Space to be leased Instrument Shop of 1035	1910.23(c)(2)	The overhead runway used to access the hvac unit was not guarded by standard railings	Serious
		1910.23(c)(1)	The mezzanine was not protected by standard railings in that the midrail was missing	Other
		1910.303(f)	Electrical disconnect panels did not have breakers labeled as to what they energize.	Serious
		1910.303(h)	High Voltage transformer room, north west sector of shop, was unmarked, unlocked, and had no light switch accessible from doorway.	Serious
K1220 South Side	Diversified Environmental Services (DES)	1910.178(a)(5)	The Yale forklift was used with an attachment device for lifting the drum mixer and the forklift was not marked to identify the capacity with the attachment	Serious
		1910.178(m)(12)(I)& 1910.178(m)(12)(ii)	The safety platform did not have a means of firmly securing the platform to the lift nor were means provided whereby personnel on the platform can shut off the power to the lift truck.	Serious
		1910.215(a)(1)	The Task Force Bench Grinder was not provided with a guard over the spindle end, nut and flange projections	Serious

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		1910.215(b)(9)	The Task Force Bench Grinder was not provided with a tongue guard	Serious
		1910.215(a)(4)	The work rest of the Task Force Bench Grinder was not adjusted to within 1/8"	Serious
		1910.303(g)(1)	Sufficient workspace was not provided to electrical panel ELC-B1-1-6.	Other
		1910.303(f)	480 Volt cable connector box did not have a visible or marked disconnect.	Serious
		1910.303(f)	Electrical disconnects were not labeled as to the devices they energized.	Serious
1200 Center Bay	To be leased	1910.151(c)	The emergency eye wash was not suitable in that the plastic housing was cracked and broken	Other
1006-Lab	Material & Chemistry Laboratory (MCI)	1910.303(g)(1)	The electrical panel (# P-B108-A) in room 108 was blocked	Other
		1910.22(a)	Rm 108 was not maintained in a clean and orderly condition.	Other
		1910.219(e)(3) & 1910.219(d)(1)	The Roll Mills # 3 & #4 did not have the belt and pulleys adequately guarded.	Serious
		1910.219(f)(3)	The Roll Mills #3 & #4 did not have the chain and sprockets adequately guarded.	Serious

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		1910.212(a)(1)	The rollers of the Roll Mills #3 & #4 were not guarded where ingoing nip points were created	Serious
1004D	To be Leased	1910.36(d)(2)	Room 37- the emergency light was not working	Other
		1910.305(a)(1)(iii)(F)	The red light bulb used to identify the fire alarm was not provided with a bulb guard	Other
1501 Steam Plant	OMI	1910.27(c)(4)	The fixed ladder on the west side of the western most boiler had a support within 7" of the back of the ladder	Other
		1910.27(c)(6)	The step across distance from the top of the ladder to the platform on the fixed ladder on the east side of boiler #8 was less than 2 ½".	Other
		1910.305(a)(1)(iii)(F)	The bulb guard on the cordreel light was damaged on the east side of boiler #8	Other
1098F	Strip Technologies of America Inc.	1910.23(c)(1)	The mezzanine did not have standard guardrails	Serious
		1910.307(b)	Electrical installations in the spray area was not intrinsically safe.	Serious
		1910.179(j)(1)(ii)	Frequent and periodic inspections of the overhead cane was not performed.	Serious
		1910.179(m)(1)	Inspections of the wire rope of the overhead crane was not conducted nor documented	Serious

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		1910.107-multiple	Abrasive blasting facility was being utilized as a paint spray booth. The facility and abrasive blasting section failed to meet the requirements established in 1910.107 for a spray finishing using flammable/combustible materials. Potential IMMEDIATE DANGER HAZARD. Employer notified, DOE-ORO Re-industrialization notified and confirmed via Fax memorandum.	Imminent Danger
		1910.134 (d)	Plant air utilized as breathing air source for supplied air respirators. CO monitor provided and Bullard air purification system. Breathing air to the respirator had not been analyzed to determine compliance with breathing air quality requirements.	Serious
		1910.157(e)(2)	Portable fire extinguishers in the facility did not evidence required annual inspection.	Serious