

Hazard Analysis

The following document is a Hazard Analysis overview of all work areas identified by the Safety Officer. It is the culmination of results indicated from the completion of risk assessments, hazard assessments, and PPE (personal protective equipment) evaluations conducted by the Safety Officer. It is intended to encompass all work areas and practices at (your Facility/Division/Office). To enhance this document's effectiveness and accuracy, the individual area assessments should be maintained on file as supporting documentation of the results indicated in this analysis report. These files should be maintained in the Safety Office. This is a "working document". It is intended to be updated as work practices change or as they are modified, added, or deleted. It is at the Safety Officer's discretion that this document be updated. The analysis is categorized and includes an index for quick reference.

This hazard assessment has been performed by the Safety Officer to determine the required type of Personal Protection Equipment for each affected employee. This assessment includes:

- ♦ Walk-through survey
- ♦ Specific job analysis

Assessment Certified by:

- Review of accident statistics
- Review of safety equipment selection guidelines materials
- ♦ Selection of appropriate required PPE

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Mental Health Workers

All staff participating in any of these activities, throughout all areas of the hospital and campus

SOURCE/WORK ACTIVITY

All Staff

Duties/Activities:

Response to Medical Emergencies

Response to Assaults

Escort of Patients

Escort of Patients with Communicable Disease

First responder to a fire

Accidental /Penetration Needles/Sharps

Please refer to the assessment on all mental health workers for additional information

IDENTIFIED HAZARDS

Biological: (body fluid exposures) Blood borne Pathogen Exposure (Body Fluids, TB, HBV, HIV etc.)

Ergonomic:

Assessment will be made upon complaint

Chemical:

All hazardous chemicals in an emergency

Psychological: Any recognizable psychological problems or issues will result in a referral to the Employee Assistance Program

Physical: (Impact, Penetration, Compression, Heat, Dust

Physical Threat

Environmental:

All hazardous gases in an emergency Lack of oxygen

PPE/PROTECTIVE MEASURES REQUIRED

<u>Biological:</u> (body fluid exposures)

Latex or equivalent
Protective Gloves
N95 Respirator
Safety Glasses with approved
side shields (only if
possibility exists for eye
exposer)
Close toed shoe
Lab Coats, Tyvec Suits
CPR Barrier/Shield

Ergonomic:

N/A

Chemical:

Safety Glasses, Rubber Gloves

Psychological:

N/A

Physical: (Impact, Penetration, Compression, Heat, Dust

Ear protection Eye protection

Environmental:

		1	1
LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
	ACTIVITY	HAZARDS	MEASURES
<u>Administration</u>		Biological: (body	REQUIRED
Positions:	Equipment and	fluid exposures)	Dialogicals (body flyid
	Material/Stock	none found	Biological: (body fluid exposures)
Human Resources	Handling	10110 10 0110	N/A
	Please refer to the	Ergonomic:	14/71
Business Office	assessment on All	Assessment will be	Ergonomic:
	mental health	made upon complaint	N/A
Executive Offices	workers for	Chemical:	
	additional	none found	<u>Chemical</u> :
Administrative	information	D 11 1 1	N/A
Assistant		Psychological: Any recognizable	
		psychological	Psychological:
Office Assistant		problems or issues will	N/A
		result in a referral to	Physical: (Impact,
Attorney		the Employee	Penetration, Compression,
General's		Assistance Program	Heat, Dust)
Office/Court			Steel toe shoes
		Physical: (Impact,	Environmental:
Management of		Penetration,	N/A
Information		Compression, Heat,	14/21
Services (MIS)		Dust) Steel toe shoes	
		Environmental:	
School		none found	
Advocacy			
Social Work			
Cofote: Off			
Safety Officer			
Staff Development			
Suit 20, cropment			

Environmental Services

Environmental Services Administrator

Floor Crew Supervisor

Floor Maintenance Assistant

Housekeeper

Office Assistant

SOURCE/WORK ACTIVITY

Dispensing, Handling and Stocking Sanitation Supply Chemicals

Housekeeping Chemical Spill clean-up Bio-Hazardous Waste pick-up

Please refer to the assessment on all mental health workers for additional information

IDENTIFIED HAZARDS

Biological: (body fluid exposures) Blood borne/ Air-born pathogens

Ergonomic:

Assessment will be made upon complaint

Chemical:

Cleaning and Disinfecting Chemicals in concentrated form

Psychological:

Any recognizable psychological problems or issues will result in a referral to the Employee Assistance Program or Psychology Services

Physical: (Impact, Penetration, Compression, Heat, Dust)

Injuries from
Equipment Roll-Over
or contact with
Moving machinery
Radiation
Heavy objects

Environmental:

none found

PPE/PROTECTIVE MEASURES REQUIRED

<u>Biological:</u> (body fluid exposures)

Latex gloves Eye protection N 95 Respirator Closed toe shoe

Ergonomic:

N/A

Chemical:

Goggles
Face Splash Shield
Splash Apron
Acid-Resistant Gloves
Goggles, heavy duty rubber
gloves
Chemical Resistant
Gowns/Tyvek suits
Chemical Resistant
Footwear
NIOSH Approved
Respirators w/Hepa
or Approved Filters

Psychological:

N/A

Physical: (Impact, Penetration, Compression, Heat, Dust)

Approved Safety shoes and gloves for warehouse and recycling activities
Barriers, Distance per FDA

Environmental:

LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
Environmental	ACTIVITY	HAZARDS	MEASURES REQUIREI
<u>Services</u>	Use of laundry	Biological: (body fluid	Biological : (body fluid
	Cleaning Products	exposures)	exposures)
Linen Supervisor		Blood from hospital	Latex gloves
	Handling Infectious	laundry	Eye protection
Sewing	Linen		Use of water soluble bags
Supervisor	Sewing	Ergonomic: Assessment will be made upon	Ergonomic: N/A
		complaint	IN/A
Linen Attendant	Moving materials	Complaint	Chemical:
	and finished goods	Chemical:	Eye protection
Machine		Bleach	Rubber or Neoprene Gloves
Operator	Stain removal	Detergents Water	Trade of Treopteric Gloves
		softener/conditioner	Psychological:
Stock Clerk	Equipment		N/A
	maintenance	Psvchological: Any	
		recognizable	Physical: (Impact,
	Please refer to the	psychological	Penetration, Compression,
	assessment on all	problems or issues will	Heat, Dust) Dust mask
	mental health	result in a referral to	ANSI-Approved Protective
	workers for	the Employee Assistance	Footwear
	additional	Program or Psychology	Tootwear
	information	Services	Machine guards and
			interlocking devices
		Physical: (Impact,	machine (needle) guards
		Penetration,	(
		Compression, Heat,	Environmental:
		Dust)	N/A
		Dust from dryers	
		Falling objects	
		Puncture from sewing needles	
		Foot hazard from	
		moving carts and	
		materials	
		Injuries from Equipment	
		Roll-Over or contact	
		Moving machinery	
		Environmental:	

	T		
LOCATION	SOURCE/WORK	IDENTIFIED	MEASURES REQUIRED
Food Service	ACTIVITY	HAZARDS	Biological: (body fluid
	Material Handling of	Biological: (body	exposures)
Food Service	Food Stock Items and	fluid exposures)	N/A
Director	Equipment	none found	
			Ergonomic:
Food Service	Cutting of meats and	Ergonomic:	N/A
Supervisor	other food products	Assessment will be	
		made upon complaint	
Food Service	Handling of food		<u>Chemical:</u>
Assistant	products during	Chemical: Oven	Goggles
	preparation	cleaner charcoal lighter	Face Splash Shield
Kitchen		fluid Sanitizing	Splash Apron Acid-Resistant Gloves
Manager	Grease Strip(cleaning	solutions	Acid-Resistant Gloves
D:-4:4:	oven)	Psychological:	Psychological:
Dietitian	D.P 1	Any recognizable	Psychological: N/A
Stock Clerk	Delivering and	psychological	IV/A
Stock Cierk	Unloading Food Stock	problems or issues will	Physical:
Grill Manager	Items	result in a referral to	(Impact, Penetration,
Gilli Mallagei	Dlagge nefer to the	the Employee Assistance	Compression, Heat, Dust)
(Please refer to	Please refer to the assessment on all	Program or Psychology	ANSI-Approved Protective
assessment of	mental health	Services	Footwear
warehouse	workers for		Mechanical Guards
workers for	additional	Physical:	Lock out tag out
information on	information	(Impact, Penetration,	Gloves resistant to cuts
Food Service		Compression, Heat,	Emergency alarms
Material		Dust)	Oven mitts
Handlers)		Injuries from	Heavy duty rubber gloves
		Equipment Roll-Over or	T
		contact	Environmental:
		Injuries from knives	N/A
		and machinery	
		Dry heat from the	
		ovens, harmful	
		temperatures Pot washing	
		For washing	
		Environmental:	
		none found	
		110110 100110	

Plant Operations

Carpentry Shop

Note: Equipment guards must remain in place and anti-restart devices utilized.

SOURCE/WORK ACTIVITY

Operation of the following fixed and hand power tools:

- Radial Arm Saw
- Table Saw
- Band Saw
- Drill Press
- Jointer
- Planer
- Sander
- Scroll Saw
- Table Routers
- Floor Drills
- Hand Tools
- Engraver

Kept in Tool Room:

- Circular Saw
- Hand Drills
- Jig Saw
- Biscuit Joiner
- Sanders
- Routers

Please refer to the assessment on all mental health workers for additional

IDENTIFIED HAZARDS

<u>Biological</u>: (body fluid exposures) none found

Ergonomic:

Assessment will be made upon complaint

Chemical:

Various Adhesives

Psychological: Any recognizable psychological problems or issues will result in a referral to the Employee Assistance Program or Psychology Services

Physical: (Impact, Penetration, Compression, Heat, Dust)

Contact with moving cutting surfaces, rotating reciprocating and transverse motions, inrunning nip points, cutting action, punching, shearing, and bending sections.

Impact injuries from flying particles, chips & fragments Exposure to nuisance dusts during sanding & cutting of wood products Moving tools and equipment

Environmental: none found

PPE/PROTECTIVE MEASURES REQUIRED

Biological: (body fluid exposures) N/A

Ergonomic:

N/A

Chemical:

Safety Glasses with approved side shields Vinyl or Nitrile Gloves Safety Goggles

Psychological:

N/A

Physical: (Impact, Penetration, Compression, Heat, Dust)

Heavy-Duty Protective
Gloves (leather or Canvas)
Machine Guards
Push Sticks
Safety Goggles
Remote Control
Placement
Feeding
Ejecting

Ground Fault Protection
Dust Collection System (CFR
134 Appendix D)
ANSI-Approved Protective

Environmental:

Footwear

LOCATION SOURCE/WORK **IDENTIFIED** PPE/PROTECTIVE **ACTIVITY HAZARDS MEASURES Plant REQUIRED** Applying latex & **Biological:** (body **Operations** fluid exposures) oil based paints **Biological**: (body none found **Paint Shop** fluid exposures) Using and applying N/A all chemicals and **Ergonomic:** paint products that Assessment will be **Ergonomic:** are associated with made upon complaint N/A paint shop jobs **Chemical: Chemical:** Epoxy, paint, **Mixing Paints** Vinyl or Nitrile Gloves (not adhesives, sealants, Surface for paint only) thinners, retarders, preparation Safety Goggles (sanding, lacquers, primers, joint Coveralls compounds, varnishes, scraping) xylene, xylol **Psychological:** Please refer to the N/A assessment on all **Psychological:** Any recognizable mental health workers Physical: (Impact, psychological for additional Penetration, Compression, problems or issues will information Heat, Dust) result in a referral to **Dust Mask** the Employee Respiratory Protection Based Assistance Program or on Exposure Data **Psychology Services** (OSHA PEL) Silicon face mask **Physical:** (Impact, Organic face mask Penetration. Compression, Heat, Environmental: Dust) N/A Potential Exposure to nuisance dusts, particulate during sanding, grinding or scraping activities Potential Exposure to airborne volatile organic compounds (VOC:s)

Environmental: none found

LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
T	ACTIVITY	HAZARDS	MEASURES
Plant Operations	Working from	Biological: (body	REQUIRED
HVAC	elevations (ladders, scaffolds, aerial lifts	fluid exposures) none found Ergonomic:	B <u>iological</u> : (body fluid exposures) N/A
	Moving heavy materials and stock	Assessment will be made upon complaint Chemical: Refrigerants	Ergonomic: N/A Chemical:
	Reclaiming Refrigerants	Psychological: Any recognizable psychological	N/A Psychological: N/A
	Maintenance of heating and air-conditioning units Maintenance of ice machines Please refer to the assessment on all mental health workers	problems or issues will result in a referral to the Employee Assistance Program or Psychology Services Physical: (Impact, Penetration, Compression, Heat, Dust) Dropped objects, stepping on sharp objects or roll-over	Physical: (Impact, Penetration, Compression, Heat, Dust) ANSI-Approved Protective Footwear Full harness and safety belt/line with lanyard Confined Space Training Protective gloves
	for additional information	Transporting heavy equipment	Eye protection
		Falls from elevations	Environmental: N-95 Respirator protective clothing Protective gloves Eye
		Confined Space Entry Sharp objects	protection
		Soldering (lead free)	
		Environmental: Changing HVAC filters from respiratory isolation rooms	

LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
Plant Operations	ACTIVITY	HAZARDS	MEASURES
Tiant Operations	Grinding, Cutting &	Biological: (body	REQUIRED
General	Drilling of	fluid exposures)	
Maintenance/	stock/materials	none found	Biological: (body fluid
Construction	Stocky materials	none round	exposures)
Shop	Sanding Gypsum	Ergonomic:	N/A
	wallboard	Assessment will be	_
		made upon complaint	Ergonomic:
	Moving heavy	Chemical:	N/A
	materials and stock	Epoxy, paint,	Chemical:
		adhesives, sealants,	Vinyl or Nitrile Gloves (not
	Concrete Work	thinners, retarders,	for paint only)
	-forms	lacquers, primers, joint	Safety Goggles
	-pouring cement	compounds, varnishes, xylene, xylol	Dust mask
	Floor/Ceiling Tile	Gypsum products	
	Installation	Psychological: Any	Psychological:
		recognizable	N/A
	Use of Paint Thinner,	psychological	
	Epoxy, Solvents, and	problems or issues will	Physical: (Impact,
	all related products	result in a referral to	Penetration, Compression, Heat, Dust)
		the Employee Assistance	Heavy-Duty Leather or
	Please refer to the	Program or Psychology	Canvas Gloves
	assessment on all	Services	ANSI-Approved Protective
	mental health workers	Physical: (Impact,	Footwear
	for additional information	Penetration, Compression, Heat,	Safety Glasses with approved
	injormation	Dust)	side shields
		Power/non-power	Respiratory Protection Based
		tools	on Exposure Data
		Dropped objects,	(OSHA PEL)
		stepping on sharp	Organic face mask
		objects or roll-over	Dust mask
		Impact eye injuries from	Environmental:
		debris during cutting	N/A
		activity Potential	
		Nuisance Dust	
		Exposures Potential Exposure to airborne	
		volatile organic	
		compounds (VOCs)	
		Environmental:	

none found

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LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
<u>Plant</u>	ACTIVITY	HAZARDS	MEASURES
Operations	Working from	Biological: (body	REQUIRED
<u>o por everous</u>			
Flootrical		- '	Biological: (body fluid
Electrical	scarroius, acriai intis)	none round	exposures)
Electrical Communications Technicians	elevations (ladders, scaffolds, aerial lifts) Installing conduit, demolition/renovation of electrical and Communications equipment Installation and maintenance of electrical equipment up to 480 Volts Installing breakers Terminating panels Fuse pulling Use of powered hand tools: - hole saw -portable band saw -reciprocating saw -hammer rill - hydraulic knockout tool -conduit bender Please refer to the assessment on all mental health workers for additional information	fluid exposures) none found Ergonomic: Assessment will be made upon complaint Chemical: none found Psychological: Any recognizable psychological problems or issues will result in a referral to the Employee Assistance Program Physical: (Impact, Penetration, Compression, Heat, Dust) Falls from elevations Confined Space Entry Dropped objects, moving tools and equipment Eye injuries from debris during cutting and drilling activity, injuries/blindness Electrical Shock & Burns	
		Environmental:	Environmental:
		Hone round	N/A

LOCATION	COLIDODANODA		
LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
	ACTIVITY	HAZARDS	MEASURES
<u>Plant</u>	Repair and	Biological: (body	REQUIRED
Operations	Maintenance of all	fluid exposures)	
	electrical equipment	none found	Biological : (body fluid
Electronics	including elevators		exposures)
		Ergonomic:	N/A
	Please refer to the	Assessment will be	Euganamia
	assessment on all	made upon complaint	Ergonomic: N/A
	mental health	Chemical:	IV/A
	workers for	none found	Chemical:
	additional	De al alestado A	N/A
	information	Psychological: Any	
		recognizable psychological	Psychological:
		problems or issues will	N/A
		result in a referral to	Diam'r I. (I
		the Employee	Physical: (Impact, Penetration, Compression,
		Assistance Program	Heat, Dust)
			ESD boots, Lock Out/Tag
		Physical: (Impact,	Out
		Penetration,	Confined Space Training
		Compression, Heat,	ANSI-Approved Protective
		Dust)	Footwear
		Electrical shock	
		Confined space entry	Environmental:
		Dropped objects,	N/A
		moving tools and	
		equipment	
		oda-burour	

LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
TOIL .	ACTIVITY	HAZARDS	MEASURES
Plant Operations	Moving heavy materials and stock	Biological: (body fluid exposures)	REQUIRED
Plumbing	Gas Welding	blood borne-pathogens found in pipes in the hospital areas	Biological: (body fluid exposures) Latex or equivalent gloves
	Maintain and repair all pipes and plumbing	Air-born pathogens (TB)	Eye protection N 95 Respirator
	Maintain and repair all sewer lines, and water traps	Ergonomic: Assessment will be made upon complaint Chemical:	Ergonomic: N/A Chemical: Rubber gloves Goggles
	Installation of new plumbing	Drain Cleaners Psychological: Any recognizable	Psychological: N/A
	Soldering (lead free) Please refer to the	psychological problems or issues will result in a referral to	Physical: (Impact, Penetration, Compression,
	assessment on all mental health workers for	the Employee Assistance Program or Psychology Services	Heat, Dust) ANSI-Approved Protective Footwear Confined Space Training
	additional information	Physical: (Impact, Penetration, Compression, Heat, Dust) Dropped objects, stepping on sharp objects or roll-over Confined Space Entry	Environmental: N/A
		Environmental: none found	

LOCATION SOURCE/WORK **IDENTIFIED** PPE/PROTECTIVE **ACTIVITY HAZARDS MEASURES Plant REQUIRED Gas Welding Biological:** (body **Operations** fluid exposures) **Biological:** (body fluid none found **Cutting**, Torch Pipefitting & exposures) Brazing, Torch Welding Shop N/A **Soldering** Ergonomic: Assessment will be **Note:** face shields **Ergonomic: Electric Arc Welding** made upon complaint should only be N/A worn over **MIG Welding Chemical:** primary eye **Chemical:** Secure to Shielding gases protection. wall, Mechanical Material Handlingventilation **Psychological:** Any Piping, Equipment, recognizable large pieces of stock psychological Psychological: problems or issues will N/A Pipe Threading & result in a referral to Fitting- Cutting, Physical: (Impact, the Employee Assistance **Grinding, Installing** Penetration, Compression, Program or Psychology **Piping** Heat. Dust) Services Welding Goggles or welding Please refer to the face shield Typical Physical: (Impact, assessment on all Shades: Gas Penetration, mental health Welding: 4-8 workers for Compression, Heat, Cutting: 3-6 additional Dust) Brazing: 3-4 Eye injury due to flash information Arc: 10-12 from welding arc Flame-Resistant Welding Burns Jacket/ Injuries from flying Protective Gloves (leather or fragments during Canvas) cutting & grinding, **Confined Space Training** various pipefitting ANSI-Approved Protective tools Footwear Puncture wounds from Ear Plugs or Muffs welding wire Confined Space Entre **Environmental:** Dropped objects, N/A stepping on sharp objects or roll-over Noise **Environmental:**

none found

LOCATION SOURCE/WORK **IDENTIFIED** PPE/PROTECTIVE **ACTIVITY HAZARDS MEASURES Plant REQUIRED Transfer of Caustic Biological:** (body **Operations** fluid exposures) **Boiler Treatment Biological:** (body fluid none found Chemicals Powerhouse/ exposures) **Boiler Room** N/A Material Handling-**Ergonomic:** Assessment will be Piping, Equipment, **Ergonomic:** large pieces of stock made upon complaint N/A **Chemical:** Caustic Soda Packing valves, Gauge **Chemical:** Glass Repair, Lifting, Protective Gloves(based on **Boiler Safety Valves,** Psychological: Any chemical break-thru recognizable **Various Piping** characteristics) **System Maintenance** psychological Goggles problems or issues will **Activities** Splash Shield result in a referral to **Boiler and Chiller** Splash Apron the Employee Assistance **Room Operation** Program or Psychology **Psychological:** Services **Cutting & Grinding** N/A **Activity Associated** with Piping System Physical: (Impact, Physical: (Impact, Maintenance Penetration. Penetration, Compression, Use of Man-Lifts for Compression, Heat, Heat, Dust) **Piping System** Dust) ANSI-Approved Protective Injuries to the feet Maintenance Footwear falling objects Heat-Resistant Heavy-Duty from heavy objects **Boiler Tube Cleaning** ANSI-Approved Protective cutting & grinding **Overhead** Headgear Lanyard activity Maintenance hook-up Man Lift Falls from Elevation **Activities** Welding Goggles or welding (Use of Lifts and Welding face shield Temperature pressure Ladders) Typical Shades: steam and water Flame-Resistant Welding injuries from various Use of Various Jacket/ Protective Gloves pipefitting tools **Chemical Solvents** (leather or canvas) Noise- Sound Level and Cleaners Ear Plugs and/or Muffs with Meter readings in NRR sufficient to limit excess of 90 dBA in **Battery Handling &** exposure below the OSHA these areas Maintenance action Level of 85 dBA, Please refer to the measured as a TWA **Environmental:** assessment on all Respiratory Protection Based none found

on Exposure Data

Environmental:

N/A

mental health workers

for additional

information

	T		
LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
<u>Plant</u>	ACTIVITY	HAZARDS	MEASURES
Operations	Automotive Systems	Biological: (body	REQUIRED
	Repair and Preventive	fluid exposures)	
Garage	Maintenance	none found	Biological: (body fluid
8	Mantenance	none round	exposures)
	Material Handling-	Ergonomic:	N/A
	Tires, Auto Parts and	Assessment will be	
	systems fluids, large	made upon complaint	Ergonomic:
	pieces of stock		N/A
		Chemical:	
	Tire repair and	Gasoline	Chemical:
	replacement, lifting,	Diesel	Protective Gloves
	Auto Care Machinery	Antifreeze	Goggles Calcab Chield
	and Equipment	Lubricants	Splash Aprop
	Activities, Hydraulic		Splash Apron
	Systems	Psychological: Any	
		recognizable	Psychological:
	Vehicle Lift	psychological	N/A
	Operations	problems or issues will	
		result in a referral to	Physical: (Impact,
	Cutting & Grinding	the Employee Assistance	Penetration, Compression,
	Activity Associated	Program or Psychology	Heat, Dust)
	with Vehicle Systems	Services	ANSI-Approved Protective Footwear & Eyewear
	Maintenance	Die die la die estat	Protective Gloves
	TI	Physical: (Impact,	Splash Shield
	Use of Various	Penetration,	Protective Apron
	Chemical Solvents,	Compression, Heat, Dust)	Use of Appropriate Tools
	Cleaners, and Lubricants	Eye injury due to loose	Use of Appropriate Tools
	Lubricants	or flying particles	ANSI-Approved Protective
	Battery Handling &	Burns	Headgear
	Maintenance	Hand hazards from	
		various repair	Environmental:
	Please refer to the	activities and parts	N/A
	assessment on all	handling	
	mental health	Dropped objects, or	
	workers for	roll-over	
	additional		
	information	Environmental:	
		none found	

Plant Operations

Grounds Keeper

Note: All Machine Guards must be in place and completely enclose moving blades/parts.

SOURCE/WORK ACTIVITY

Lawn Care Activities
Using the Following
Equipment/Tools:

Mower Weed Trimmer Leaf Blower Agricultural Tractor

PTO Aerator

Equipment Repair Material Handling Pesticide Application:

Gasoline Lubricants/Oils Solvents Cleaning Compounds

Application of: Pesticides Herbicides Insecticides

Please refer to the assessment on all mental health workers for additional information

IDENTIFIED HAZARDS

Biological: (body fluid exposures) none found

Ergonomic:

Assessment will be made upon complaint

Chemical:

Gasoline Diesel Fertilizers Herbicides Pesticides

Psychological:

Any recognizable psychological problems or issues will result in a referral to the Employee Assistance Program or Psychology Services

Physical:

(Impact, Penetration, Compression, Heat, Dust)

Flying Debris
Contact with moving
Blades
Noise Levels
Injuries from Equipment
Roll-Over or contact

Environmental:

none found

PPE/PROTECTIVE MEASURES REQUIRED

Biological: (body fluid exposures)
N/A

Ergonomic:

N/A

Chemical:

Nitrile, Natural Rubber or Neoprene Gloves Splash Apron Safety Glasses with approved side shields Impervious boots Respiratory Protection

Psychological:

N/A

Physical:

(Impact, Penetration Compression, Heat, Dust)

Safety Glasses with approved side shields Machine guards Ear plugs or muffs (Selection based on Dosimetry Data) ANSI-Approved Protective Footwear

Environmental:

			
LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
<u>Plant</u>	ACTIVITY	HAZARDS	MEASURES
Operations	Pest Control Activities	Biological: (body	REQUIRED
	Using the Following	fluid exposures)	Biological: (body fluid
Pest Control	Equipment/Tools:	none found	exposures)
1 est control	Equipment, 1 outs.	10110 100110	N/A
	Material Handling	Ergonomic:	
	Pesticide Application:	Assessment will be	Ergonomic:
		made upon complaint	N/A
	Gasoline		Chamical
	Lubricants/Oils	Chemical:	Chemical:
	Solvents	Gasoline	Nitrile, Natural Rubber or Neoprene Gloves
	Cleaning Compounds	Diesel	Splash Apron
		Fertilizers	Safety Glasses with approved
	Application of:	Herbicides	side shields
	Pesticides	Pesticides	Impervious boots
	Herbicides	Psychological:	Respiratory Protection
	Insecticides	Any recognizable	
	Dlagga vafor to the	psychological	Psychological:
	Please refer to the assessment on all	problems or issues will	N/A
	mental health	result in a referral to	Physical:
	workers for	the Employee Assistance	(Impact, Penetration
	additional	Program or Psychology	Compression, Heat, Dust)
	information	Services	Safety Glasses with approved
			side shields
		Physical:	Machine guards
		(Impact, Penetration,	Ear plugs or muffs (Selection
		Compression, Heat,	based on Dosimetry Data)
		Dust)	ANSI-Approved Protective
		Flying Debris	Footwear
		Contact with moving Blades	Environmental:
		Noise Levels	N/A
		1,0100 10,010	
		Injuries from Equipment	
		Roll-Over or contact	
		Environmental:	
		none found	

LOCATION PPE/PROTECTIVE SOURCE/WORK **IDENTIFIED ACTIVITY HAZARDS MEASURES** Plant **REQUIRED Operations** -Die Cutting **Biological**: (body -Lock Assembly fluid exposures) **Biological:** (body fluid **Cutting** none found exposures) Lockshop -Lock Assembly N/A **Drilling Ergonomic:** -Chiseling Assessment will be **Ergonomic: -Drill Press Operation** N/A made upon complaint **Key Duplicator** Process/Machine **Chemical: Chemical:** Safety Glasses with approved Solution, Lock side shields **Equipment** and Lubricants. Impervious glove Material/Stock **Psychological:** Any Handling recognizable Psychological: psychological N/A Please refer to the problems or issues will assessment on all result in a referral to Physical: mental health the Employee (Impact, workers for Penetration, Compression, Assistance Program additional Heat, Dust) information Cutting/Nip Points and Point Physical: (Impact, Penetration, of Operation must be Compression, Heat, properly guarded. Dust) Ear protection Safety Glasses with approved Impact & Penetration from cutting blade side shields Flying fragments or ANSI-Approved Protective debris Footwear Dropped objects, Welding Goggles or welding moving tools and face shield equipment Welding, Flame-Resistant Welding **Cutting Torches** Jacket/ Protective Gloves (leather or **Environmental:** Canvas none found **Environmental:** N/A

Medical Services

Hospital and throughout all areas of the campus while performing medical services

Clinician

Nursing

Physician Assistant

Internist

Note: Universal precautions for blood borne pathogen exposure must prevent contaminated materials from contacting the worker's skin, clothing, mouth or other mucous membranes

SOURCE/WORK ACTIVITY

Handling Blood, blood contaminated body fluids or other infectious materials:

- -Contaminated sharps/needle handling (all Areas)
- -Clinical
- -Ambulatory Care
- Dental Clinic
- Inpatient Rooms
- Microbiology Lab
- -Admissions

Please refer to the assessment on all mental health workers for additional information

IDENTIFIED HAZARDS

Biological: (body fluid exposures) Blood/body fluids that may contain blood (Blood-borne diseases) All body tissue Irrigations Biologic Agents Air-borne pathogens (TB)
Needles, scalpels Orthopedic Drills

Ergonomic:

Lifting patients

Orthopedic Chisels

Chemical:

Methyl methacrylate (Orthopedic Surgery)

Psychological: Any

recognizable
psychological
problems or issues will
result in a referral to
the Employee
Assistance Program

Physical: (Impact, Penetration, Compression, Heat, Dust) Ionizing radiation

Environmental:

none found

PPE/PROTECTIVE MEASURES REQUIRED

<u>Biological:</u> (body fluid exposures)

Latex or Equivalent Gloves Protective Gown, Laboratory Coat or Apron Face Shields or masks and eve protection CPR mouth barrier Bouffant Caps & Shoe Covers Sharps Containers/needles syringes N 95 Respirator Close toed shoe Needles devices, Latex gloves, sharps containers Mask, gloves, lab coat, eye protection

Ergonomic

Proper lifting techniques, request assistance

Chemical:

Eye protection mask, latex gloves Chemical Resistant gowns

Psychological:

N/A

<u>Physical:</u> (Impact, Penetration, Compression, Heat, Dust)

Lead Barrier, Distance Per FDA TDL Badge

Environmental:

Medical Services

Dental Clinic

Dentist

Dental Assistant

Dental

Hygienist

Note: Universal precautions for blood borne pathogen exposure must prevent contaminated materials from contacting the worker's skin, clothing, mouth or other mucous membranes

SOURCE/WORK ACTIVITY

X-Ray Unit Operation

Dental Surgical Procedures using a Dental Hand piece as a Cutting Device

-Model Trimmer -Lathe

Use of dental materials

Please refer to the assessment on all mental health workers for additional information

IDENTIFIED HAZARDS

Biological: (body fluid exposures) Hand piece (aerosol) Blood Needles Dental Machinery(lathe, model trimmer) Air-borne pathogens

Ergonomic:

Seating in one position for long periods of time

Chemical:

Acid etch Methyl Methacrylate Gypsum

Psychological: Any

recognizable
psychological
problems or issues will
result in a referral to
the Employee
Assistance Program

Physical: (Impact, Penetration, Compression, Heat, Dust)

Needles/Sharps Ultraviolet light Sharp instruments Ionizing radiation

Environmental:

none found

PPE/PROTECTIVE MEASURES REQUIRED

<u>Biological:</u> (body fluid exposures)

Eye protection Surgical mask Latex gloves/sharps containers Machine guards, eye protection, latex gloves N 95 respirator Close toed shoe

Ergonomic:

Posture friendly chairs

Chemical:

Eye protection Latex gloves Dust Mask/Surgical Mask Rubber gloves Eye protection

Psychological:

N/A

Physical: (Impact, Penetration, Compression, Heat, Dust)

Latex gloves/needless syringes, sharp containers Eye protection Rubber gloves Close toed shoe Lead Barrier, Distance Per FDA TDL Badge

Environmental:

LOCATION SOURCE/WORK **IDENTIFIED** PPE/PROTECTIVE **ACTIVITY HAZARDS MEASURES Medical REQUIRED Processing Biological:** (body **Services Pharmaceuticals** fluid exposures) **Biological**: (body fluid **Pharmacy** exposures) Please refer to the Ergonomic: Close toed shoe **Pharmacist** assessment on all Standing for long periods of time mental health **Ergonomic:** Pharmacy Tech. workers for Anti-Fatigue mats additional **Chemical:** Potential Note: Mixing & Airborne Inhalation information **Chemical:** Handling of Some Exposure of Powdered Apron or Lab Coat Drugs must be Forms Chemotherapy performed under a or Aerosolized Drug/Chemical tested/certified Inadvertent Resistant Gloves **Biological Safety** Ingestion/Dermal Chemical Resistant gowns Cabinet Exhausted Hazard from Liquid and Protective Eye wear with to the Powdered Forms Approved Side Shields outside Exhaust hoods/Biological **Psychological:** Any Safety Cabinet recognizable psychological **Psychological:** problems or issues will N/A result in a referral to the Employee Physical: (Impact, Assistance Program Penetration, Compression, Heat, Dust) Physical: (Impact, Close toed shoe Penetration, Compression, Heat, **Environmental:** Dust) N/A none found **Environmental:** none found

LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
Medical	ACTIVITY	HAZARDS	MEASURES
<u>Services</u>	X-Ray Unit	Biological: (body	REQUIRED
	Operation	fluid exposures)	Biological: (body fluid
Radiology		Blood from	exposures)
	Chemical Handling	Intravenous	latex gloves
Radiologist		Pyelogram	eye protection
	Please refer to the	Biopsy	lab coat
Radiology Tech.	assessment on all		Close toed shoe
	mental health	Ergonomic:	
Ultrasound Tech.	workers for	Lifting patient	Ergonomic:
	additional	Bending or twisting	Proper lifting techniques
Transcriptionist	information	awkward postur	requesting assistance
		Typing	repositioning or
		Chemical:	alternate procedures
		Splash Hazard to	Ergonomic Keyboards
		Skin/Eyes	Chamicala
		Cidex/Gluteraldehyde	Chemical:
		Crack Graterardenyae	Goggles Face Splash Shield
		Psychological:	Splash Apron
		Any recognizable	Acid-Resistant Gloves
		psychological	Tield Resistant Gloves
		problems or issues will	Psychological:
		result in a referral to	N/A
		the Employee	
		Assistance Program	Physical: (Impact,
			Penetration, Compression,
		Physical: (Impact,	Heat, Dust)
		Penetration,	Lead Barrier, Distance Per
		Compression, Heat, Dust	FDA TDI Dallar
		Radiation Exposure	TDL Badge Close toed shoe
		from X-Ray Process	Latex gloves
		Ionizing radiation	Sharps containers
		Needles from	Sharps containers
		Intravenous	Environmental:
		Pyelogram	N/A
		Environmental	
		Environmental: none found	

			<u></u>
LOCATION Medical	SOURCE/WORK ACTIVITY	IDENTIFIED HAZARDS	PPE/PROTECTIVE MEASURES REQUIRED
<u>Services</u>		Biological: (body	Biological: (body fluid
	Please refer to the	fluid exposures)	exposures)
Physical	assessment on all	none found	N/A
Therapy	mental health		
	workers for	Ergonomic:	Ergonomic:
Physical Therapist		Lifting of patients	Proper lifting techniques,
	information	Cl	requesting assistance
		Chemical:	Chemical:
			N/A
		Psychological: Any	_ , , , ,
		recognizable	Psychological:
		psychological	N/A
		problems or issues will result in a referral to	Physical: (Impact,
		the Employee	Penetration, Compression,
		Assistance Program	Heat, Dust)
			N/A
		Physical: (Impact, Penetration,	Environmental:
		Compression, Heat,	N/A
		Dust)	
		none found	
		Environmental: none found	

LOCATION Medical Services Bio-Med Bio-Med Technicians

SOURCE/WORK ACTIVITY

Electrical Equipment Testing and Assorted Hand Tool Use

Maintenance of X-ray equipment

Repair of all hospital equipment

Please refer to the assessment on all mental health workers for additional information

IDENTIFIED HAZARDS

Biological: (body fluid exposures)

If the possibility exist for a blood exposure from a piece of equipment.

Ergonomic:

Lifting heavy equipment

Chemical:

None

Psychological:

Any recognizable psychological problems or issues will result in a referral to the Employee Assistance Program or Psychology Services

Physical: (Impact, Penetration, Compression, Heat, Dust)

Class II lasers
Optical Radiation
Exposure
Flying Debris &
Fragments
Electrical shock
Ionizing radiation
Photo therapy unit
Steam sterilizers
Moving heavy
equipment

Environmental:

none found

PPE/PROTECTIVE MEASURES REQUIRED

<u>Biological:</u> (body fluid exposures)

Latex gloves

Ergonomic:

Proper lifting techniques, use of carts, etc.

Chemical:

Rubber gloves eye protection

Psychological:

N/A

Physical: (Impact, Penetration, Compression, Heat, Dust)

ANSI approved Laser Eyewear Safety Glasses with approved

side shields ESD boots, lock out tag out Lead barriers, TLD badge,

distance
Eye protection
Oven mitts
Steel toe shoes

Environmental:

			<u> </u>
LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
Medical	ACTIVITY	HAZARDS	MEASURES REQUIRED
<u>Services</u>	Drawing Blood	Biological: (body	Biological: (body fluid
		fluid exposures)	exposures)
Laboratory	Use of the Centrifuge	Vacutainer tubes	Latex gloves
	Equipment	Cultures	Lab coat
Lab Tech.		Centrifuging of blood	Cap tubes
	Mixing culture		Locking centrifuge
Phlebotomist		Ergonomic:	Close toed shoe
	Please refer to the	Assessment will be	
	assessment on all	made upon complaint	Ergonomic: N/A
	mental health		
	workers for	Chemical:	Chemical:
	additional	Ethanol	Eye protection
	information	Fomalin	Eye protection
		Sulfosalicytic Acid	Biological safety cabinet,
		HCL	latex gloves
		Formaldahyde	lab coat, fume hood
		Gluteraldahyde	Psychological:
		Describate de la Ause	N/A
		Psychological: Any	1,111
		recognizable psychological	Physical: (Impact,
		problems or issues will	Penetration, Compression,
		result in a referral to	Heat, Dust)
		the Employee	Latex gloves, no recapping,
		Assistance Program	sharps containers
		Tissistance Trogram	Close toed shoe
		Physical: (Impact,	
		Penetration,	Environmental :
		Compression, Heat,	N/A
		Dust)	
		Needles	
		E	
		Environmental:	
		none round	
	Í		

Medical Services

Health Care Technician

Health Care Technician (EMT)

Note: Universal precautions for blood borne pathogen exposure must prevent contaminated materials from contacting the worker's skin, clothing, mouth or other mucous membranes

SOURCE/WORK ACTIVITY

Monitor and Intervene in Patient Activities

Please refer to the assessment on all mental health workers for additional information

IDENTIFIED HAZARDS

Biological: (body fluid exposures) Blood/body fluids that may contain blood (Blood-borne diseases) All body tissue Irrigations Biologic Agents Air-borne pathogens (TB)

Ergonomic:

Lift, push, pull, or subdue aggressive, combative patients

Chemical:

None found

Psychological: Any

recognizable
psychological
problems or issues will
result in a referral to
the Employee
Assistance Program

Physical: (Impact, Penetration, Compression, Heat, Dust)

None found

Environmental:

None found

PPE/PROTECTIVE MEASURES REQUIRED

<u>Biological:</u> (body fluid exposures)

Latex or Equivalent Gloves Protective Gown, Laboratory Coat or Apron Face Shields or masks and eye protection CPR mouth barrier Bouffant Caps & Shoe Covers Sharps Containers/needles syringes N 95 Respirator Close toed shoe Needles devices. Latex gloves, sharps containers Mask, gloves, lab coat, eye protection

Ergonomic

Proper lifting techniques, NCI techniques, request assistance

Chemical:

Eye protection
mask, latex gloves
Chemical Resistant gowns

Psychological:

N/A

Physical: (Impact, Penetration, Compression, Heat, Dust) N/A

Environmental:

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LOCATION	SOURCE/WORK	IDENTIFIED	PPE/PROTECTIVE
	ACTIVITY	HAZARDS	MEASURES
<u>Medical</u>		Biological: (body	REQUIRED
Services	Please refer to the	fluid exposures)	Biological: (body fluid
	assessment on all	none found	exposures)
Recreational	mental health		N/A
Therapy	workers for	Ergonomic:	
	additional	Assessment will be	Ergonomic:
Art Therapy	information	made upon complaint	N/A
Vocational		<u>Chemical:</u> none found	Chemical:
Therapy		none found	N/A
		Psychological:	Dovahalaciasla
Rehabilitation		Any recognizable	Psychological: N/A
A		psychological	11/14
Administration		problems or issues will	Physical: (Impact,
Psychology		result in a referral to	Penetration, Compression,
1 Sychology		the Employee	Heat, Dust)
Psychiatry		Assistance Program	N/A
1 sy ciliaci y			
Psychosocial		Physical: (Impact,	Environmental:
		Penetration,	N/A
Quality/Risk		Compression, Heat,	
Management		Dust)	
		none found	
Health		Environmental:	
Information		none found	
Management			
Infection Control			

LOCATION SOURCE/WORK **IDENTIFIED** PPE/PROTECTIVE **ACTIVITY HAZARDS MEASURES Warehouse REQUIRED Inadvertent Spills of Biological:** (body fluid exposures) shipped chemical **Stock Clerk** Biological: (body fluid products during none found exposures) handling N/A **Vehicle Operator Ergonomic:** Lifting and moving Handling and moving **Ergonomic:** heavy objects heavy objects Training on proper lifting techniques and use of **Chemical: Delivery of Materials** equipment Handling of Bulk Materials Please refer to the **Chemical:** assessment on all Gloves Psychological: mental health Any recognizable **Psychological:** workers for psychological N/A additional problems or issues will information result in a referral to Physical: (Impact, the Employee Penetration, Compression, **Assistance Program** Heat, Dust) ANSI-Approved Protective Physical: (Impact, Footwear Penetration, Wrapping or binding of loads Compression, Heat, on high shelves/interlocking Dust) stacking of materials/heavier Falling objects loads on lower and middle Injuries from equipment racks/No over stacking of roll-over, contact, or pallets or shelves vehicle accident Training for Forklift **Operators Environmental:** Vehicle license none found **Environmental:** N/A