

Attachment 1A

NIOSH RECOMMENDED MEDICAL REQUIREMENTS

From NIOSH Criteria Document on	To Whom Examinations Available	Schedule of Workers Requiring Medical Exams			Special Recommendations		Medical Record Requirements After Employment Terminated
		Preplacement	Present Employees	Annual	Examinations	Biologic Monitoring	
Ammonia	Workers exposed to > 50 ppm ammonia (5-minute)	X	6 months after standard promulgated		skin; pulmonary function	--	Kept for period of employment only
Benzene	Workers exposed to > 1/2 recommended level of 10 ppm	X	6 months after standard promulgated	X	--	blood count; urinalysis	20 years
Beryllium	All workers exposed to beryllium	X		X	pulmonary function; chest x-ray	--	20 years
Carbon Monoxide	Not specified. Concern for employees with cardiovascular disease	X		Periodic	cardiovascular (not specific)	--	not specified
Chloroform	Workers exposed to 1/4 TWA exposure of 10 ppm (48.9 mg/cu m)	X		X	GI symptoms; mental status; alcohol consumption; cardiac rhythm; liver and kidney function; evaluate advisability of use of negative- or positive pressure respirators	liver function; urinalysis	Employees with > 1 year exposure -- 5 years
Chromic Acid	All workers occupationally exposed to chromic acid	X	6 months after standard promulgated	X	skin; upper respiratory tract; chest x-ray	--	Employees with > 1 year exposure -- 20 years
Crystalline Silica	Workers exposed to concentrations of free silica > 1/4 recommended level of 50 µg/cu m (0.050 mg/cu m)	X	6 months after standard promulgated	Once Every 3 years	chest x-ray; pulmonary function; body weight; height; age; evaluate advisability of use of negative- or positive-pressure respirators	--	30 years
Coke Oven Emissions	All workers regularly assigned to work on coke oven, pusher machine, or quench car	X		X	chest x-ray; skin; pulmonary function	sputum cytology; urinalysis	Employees with > 1 year experience on coke ovens-- 20 years
Cotton Dust		X FVC and FEV ₁ again within 6 weeks of employment	6 months after standard promulgated	X	pulmonary function; info on history of respiratory illness, smoking habits; evaluate advisability of use of negative- or positive-respirators	--	20 years
Inorganic Lead	Workers exposed to > 1/4 recommended level of 0.15 mg Pb/cu m	X		X	--	urinalysis; blood analysis	5 years after last exposure
Inorganic Mercury	Workers exposed to > 40% of recommended level of 0.05 mg Hg/cu m (TWA)	X		X	nervous system (not specific)	urinalysis	5 years after last exposure
Sulfur Dioxide	Workers exposed to equal or > 1/4 recommended level of 2 ppm	X	6 months after standard promulgated	X	eyes; cardio-pulmonary (not specific)	--	Employees with > 1 year exposure -- 20 years
Sulfuric Acid	Workers exposed to equal or > 1/4 recommended level of 1 mg/cu m sulfuric acid mist	X	6 months after standard promulgated	X	teeth; eyes; skin; cardiopulmonary (not specific)	--	Employees with > 1 year exposure -- 20 years
Toluene	Workers exposed to equal or > 1/4 recommended standard of 100 ppm	X		biennial	eyes; skin; nervous system (not specific)	blood count; urinalysis	not specified
Toluene Diisocyanate	All workers	X		X	chest x-ray; pulmonary function	blood count	20 years or 1 year after death
Trichloroethylene	Workers exposed to trichloroethylene	X	6 months after standard promulgated	X	eyes; skin; hepatic; renal; cardio-pulmonary; nervous system (not specific)	--	10 years after last exposure
Hot Environments	All employees exposed to hot environments	X		Over 45-annually; under 45-every 2 years	cardiovascular; renal; hepatic; endocrine; respiratory; skin (not specific)	--	--
Noise	Employees exposed to or above Daily Noise Dose, D, (specified in Section 3(b); and employees whose noise exposure is controlled by personal protective equipment	X	At time standard promulgated	Baseline audiogram every 6 years; audiogram every 2 years	audiometric testing	--	--
Ultraviolet Radiation	no specific requirements						--