Job Hazard Analysis

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JOB / TASK	LOCATION	DATE	PREPARED BY
SUPERVISOR	CREW	REQUIRED PPE	PERMITS / TRAINING

Job step	Hazards	Initial risk (L × S)	Controls (hierarchy: eliminate, substitute, engineer, administrative, PPE)	Residual risk (L × S)

Risk = Likelihood × Severity · Likelihood 1 Improbable, 2 Unlikely, 3 Possible, 4 Likely, 5 Very likely · Severity 1 Negligible, 2 Minor, 3 Moderate, 4 Serious, 5 Catastrophic · **1–4 Low · 5–9 Medium · 10–15 High · 16–25 Critical**

Prepared by / date

Reviewed by (supervisor) / date

Crew briefed / date

Job Hazard Analysis · worked example

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JOB / TASK	LOCATION	DATE	PREPARED BY
Cut a concrete slab with a handheld power saw	**Building 4 loading dock (outdoors)**		
SUPERVISOR	CREW	REQUIRED PPE	PERMITS / TRAINING
	2 workers	**Face shield over safety glasses, hearing protection, gloves, safety-toe boots**	**Silica program, saw training**

Job step	Hazards	Initial risk (L × S)	Controls (hierarchy: eliminate, substitute, engineer, administrative, PPE)	Residual risk (L × S)
1. Set up the work area and saw	Trips over water hose and cords; lifting the saw	**3 × 2 = 6**	Route hoses away from walkways; mark the area; two-person lift or cart for the saw	**2 × 2 = 4**
2. Cut the slab	Respirable crystalline silica dust	**4 × 4 = 16**	Saw with integrated water delivery (engineering); follow Table 1 of 29 CFR 1926.1153 for the respirator it lists; keep others out of the cloud	**2 × 4 = 8**
2. Cut the slab	Noise from the saw	**4 × 3 = 12**	Hearing protection for the operator and helper; limit cutting time; keep others back	**2 × 3 = 6**
2. Cut the slab	Kickback and blade contact	**3 × 4 = 12**	Guard in place; correct blade for the material; two-hand grip; stand to the side of the cut line	**2 × 4 = 8**
3. Clean up the slurry	Slips; silica when the slurry dries	**3 × 2 = 6**	Wet vacuum or squeegee the slurry; no dry sweeping; clean before it dries	**1 × 2 = 2**

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