



In scope / Out of Scope

The following is in scope and out of scope of these requirements:

In Scope	Out of Scope
All work with potential hexavalent chromium (Cr ⁺⁶ , hex chrome) exposure.	Other work activities.

What is hex chrome?

Hex chrome is a hazardous form of chromium that is a known lung and sinonasal carcinogen.

Where might I encounter hex chrome?

There is potential exposure to hex chrome when:

- Welding, grinding or other hot work on stainless steel or chromium-containing alloys,
- Welding with chromium-containing electrodes, wire, or filler material,
- During maintenance activities involving disassembly/assembly of turbine components.

Prevent exposure to hex chrome

To prevent exposure to hex chrome use:

Engineering controls	Administrative controls	PPE
<ul style="list-style-type: none"> • Local exhaust ventilation, • Dilution ventilation, • Tools with HEPA filtration. 	<ul style="list-style-type: none"> • Position workers upstream of hex chrome source, • Remove chromate coatings before hot work, • Follow manufacturer's recommendations for anti-seize application. 	<ul style="list-style-type: none"> • Tyvek, • Gloves, • Air-purifying respirator with P100 filters or supplied air respiratory protection as determined by COPA IH.

Evaluate potential hex chrome exposure

Use the following to evaluate potential hex chrome exposure:

Manufacturer data	Sampling
Safety data sheets.	<ul style="list-style-type: none"> • Air monitoring, • wipe sampling.

Contact COPA IH for questions

Contact the COPA IH for questions about Hexavalent Chromium exposure or medical surveillance enrollment.

Contractor medical surveillance program

Contractors must administer medical surveillance program for affected Contractor Employees.

Pre-job notification requirements

The COPA Project Planner or Supervisor must complete a pre-job notification:

- **notify** Employee or Contractor before work with possible hex chrome exposure,
- **provide** data for hazard determination (Spec sheet, past monitoring/sampling, etc.).

Prepare hex chrome compliance plan

Supervisors of a job with possible hex chrome exposure must consult their HSE resource to determine if a compliance plan is required.



Hex chrome
compliance plan
requirements

A hex chrome compliance plan must cover:

- control measures,
 - establishment of regulated area,
 - training,
 - PPE,
 - air monitoring,
 - medical surveillance,
 - waste management.
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