



Regulated Area Talking Points

2025
VERSION 4

INSTRUCTIONS

Use the questions to help facilitate a conversation with students after they watch the video to determine understanding and answer any questions.

- 1) What is a regulated area?
 - a. An area where airborne concentrations of hazardous substances exceed (or could exceed) exposure limits.
- 2) What are the hazardous substances in regulated areas at Miami?
 - a. Arsenic, cadmium, and lead
- 3) Where would you find those hazardous substances?
 - a. Concentrate mainly but could talk about ESP's and Spice.
- 4) What could happen if you were exposed to Arsenic?
 - a. Damage skin, nervous system, lymphatic system, may cause cancer, impacts on intelligence and memory and adverse pregnancy outcomes.
- 5) What could happen if you were exposed to Lead?
 - a. Feeling depressed, distracted, forgetful, heart disease, reduced fertility, affects babies' behavior and intelligence.
- 6) What bodies don't take doses of lead well?
 - a. Small, old, comprised immune systems, animals. Lead has substantial effects on these do not take it home to your family.
- 7) What could happen if you were exposed to Cadmium?
 - a. Damage to kidneys and lungs and risk of lung and prostate cancer.
- 8) Where are the regulated areas at Miami?
 - a. Blending & bedding plant, ISA, ELF (2nd floor and above), Matte & Slag tap decks, converter (3rd Floor and above).
- 9) What PPE would you always wear in a regulated area?
- 10) Coveralls if working, half-face respirator with P-100 filter. Possibly a PAPR.

11) Do you need to be clean shaven and what does that mean?

- a. Yes and no hair, not even stubble, below the lower lip line.

12) What are some things you are not allowed to do in a regulated area?

- a. Eat, drink (except water), smoke, chew, chew gum, apply cosmetics and cannot bring them into the regulated area either.

13) What must you do before entering a break room after being in a regulated area?

- a. Remove coveralls and other PPE, wash your hands and face.

14) If you work in a regulated area, what must you do before going home?

- a. Return PPE to hygiene center, shower and change into clean clothes.