

POLICY

E & B Oilfield Services Inc. has implemented this policy to ensure employees are made aware of the potential hazards and locations of lead.

Kirk Duncan is the assigned supervisor responsible for ensuring the following administrative controls, engineering controls, and work practices are enforced:

REFERENCES

- §1910.1025—Lead

TRAINING AND GENERAL KNOWLEDGE

Lead awareness training is required for employees whose work activities may contact lead-containing materials but do not disturb the material during their work activities. Lead awareness training will be conducted at the time of hire, during orientation, or prior to assignment of work in lead-containing areas. It is required that annual refresher training be given to all employees whose work activities may contact lead-containing materials but do not disturb the material during their work activities. Lead awareness training must be documented, including the date of training, the employee names, and the person that conducted the training.

Awareness training will include the following:

- Where employees may find lead containing materials
- Workplace activities that may involve lead containing materials
- Lead and worker health
- Health effects of lead exposure

Possible Locations of Lead

- Leaded paints
- Leaded solders
- Pipes
- Batteries
- Circuit boards
- Cathode ray tubes
- Leaded glass
- Demolition and salvage materials

Lead in the Workplace

The following activities may involve lead-containing materials:

- Lead production or smelting
- Brass, copper, and lead foundries
- Lead fishing-weight production
- Machining and grinding lead alloys
- Battery manufacturing and recycling
- Radiator manufacturing and repair
- Scrap metal handling
- Lead soldering
- Indoor firing ranges

- Ceramic glaze mixing

The following construction activities are of particular concern:

- Demolition of old structures
- Steel-bridge maintenance
- Thermal stripping or sanding/scraping of old paint
- Welding, burning, and torching of old painted metal
- Abrasive blasting or rivet busting of structures with lead paint
- Home renovation and remodeling
- Use of marine paints

Lead and Worker Health

Lead enters the body in several ways:

- Employees can inhale in lead dust, mist, or fumes.
- Employees can ingest lead dust that gets on their hands, beards, or clothes, or that gets in or on food, drinks, or anything else they put in their mouths.
- Leaded gasoline can be absorbed through the skin.

Once lead gets into the body, it stays there for a long time. Lead can build up in the body to dangerous levels over time.

Health Effects Lead poisoning can cause acute and chronic symptoms. Common acute symptoms of lead poisoning are:

- Loss of appetite
- Nausea
- Vomiting
- Stomach cramps
- Constipation
- Difficulty in sleeping
- Fatigue
- Moodiness
- Headache
- Joint or muscle aches
- Anemia

The potential chronic health effects from long-term exposure to lead include severe damage to:

- Blood formation
- Nervous system
- Urinary system
- Reproductive system

Too much lead in the body can damage the brain, nerves, kidneys, and blood cells. Lead can also affect the ability to conceive and bear a healthy child. If a pregnant woman is exposed to lead, it can harm her fetus. Men with lead exposure can have damaged sperm.

OVEREXPOSURE TO LEAD IS COMMON. ALTHOUGH MANY PEOPLE WITH HIGH LEAD LEVELS DO NOT FEEL SICK OR POISONED, THEIR HEALTH MAY BE SERIOUSLY AFFECTED. THE LONGER PEOPLE HAVE ELEVATED LEAD LEVELS, THE GREATER THE RISK OF HEALTH PROBLEMS. SOMETIMES THE DAMAGE IS PERMANENT. SIGNS, LABELS, & ASSESSMENTS

It is a requirement of E & B Oilfield Services Inc. that all employees will abide by any signs, labels, and assessment reports indicating the presence of lead-containing materials.

Based on the assessments made, the appropriate work practices will be followed to ensure the lead-containing materials are not disturbed.

SAFE WORK PRACTICES

E & B Oilfield Services Inc. employees working in areas that they may be exposed to lead-containing materials will be instructed to not disturb those lead containing materials. Employees will also follow these safe practices:

- Use separate work clothes and shoes while at work; keep street clothes in a clean place.
- Do not wear your work clothes and shoes or boots home.
- If possible, shower at work before going home.
- Launder work clothes at work if necessary and separately at home.
- Wash your hands and face if contacting lead and before eating, drinking, or smoking.
- Eat, drink, and smoke only in areas free of lead dust and fumes.
- Ensure that you are not overexposed to lead in your workplace. This may include special ventilation equipment or the use of a properly fitted respirator.
- Avoid stirring up lead-containing dust with dry sweeping or compressed air in favor of safer cleaning practices: wet cleaning and vacuuming using High Efficiency Particulate Air (HEPA) filters.

MULTI-CONTRACTOR WORKSITES

If employees of E & B Oilfield Services Inc. are working immediately adjacent to a lead abatement activity are exposed to lead due to the inadequate containment of such job, E & B Oilfield Services Inc.'s employees will be either immediately removed from the area until the enclosure breach is repaired or perform an initial exposure assessment.

