



Safety Mitigation

MAY 2021



We Take Safety Seriously.

Mandros has been in business for 55 years and during that time we've held a strong safety record. Our record being over 5 years without any recordable incidents! In a dangerous industry such as ours, we consider that quite impressive.



We Know How to Be Safe

- ✓ Mandros has been in business for over 55 years and has a very good overall safety record in a very dangerous field.
- ✓ We won the Governors safety award for mine sites in 2015.
- ✓ We worked from 5 years and 5 months without any recordable incidents!
- ✓ We worked over 538,563 man hours without any recordable incidents.
- ✓ We have worked 11 months without a recordable since our last incident.
- ✓ We have designed and implemented multiple tools in our industry that keep our workers safe.
- ✓ We employ a full time Safety Director and a Trainer to ensure safety and quality meet or exceed industry standards.
- ✓ Our certifications within our industry show we are the best and put safety and quality above all else.
- ✓ We recognize that 2020 doesn't paint the most impressive picture, but it is, by no means, an accurate representation of our abilities and commitments to safety. This is a single year snapshot in a 55 year history of safety excellence.
- ✓ The statistics you see, due to our smaller size and fewer man hours than some, may seem misleading and don't accurately reflect the way we operate.
- ✓ Each client evaluates differently, and we have an A rating with some of the most stringent companies in the industry – Sinclair for instance.
- ✓ Mines get quarterly audits every single year and we're working at multiple mines every single week which means that we're undergoing 20-30 audits a year. Even with that high of an inspection frequency, we're still only seeing a handful of small citations.

**Over 538k man hours
without any recordable incidents.**

MSHA CITATIONS IN LAST THREE YEARS

2020 Citation #9398097

Description of Deficiency

Tools or equipment that are damaged and not in satisfactory condition for operational use are to be tagged out for repairs or discarded immediately. 2 halogen lights had damage that made them unsafe for use, 1 had a broken lens that needed replaced and the other was missing a guard.

Critical Driver/Root Cause

Tools were put in trailer for repairs and not tagged out which could have led to the tools being put into operation causing a hazard to employees. Employees believed if the tools were in a designated repair area, they would be identified as out of service.

Corrective Action

Guard from one light was put on the light with missing safety feature and then thrown away eliminating the potential exposure at time of inspection.

Future Mitigation

Tags are put in designated repair areas to be used at the time tools require repairs that will be done in the future. We have also changed our process slightly using a new platform ProCore which requires all deficiencies on tools and equipment be reported as an observation and that automatically send an email to our safety and equipment manager which then gets a follow up.

2019 Citation #9347753

Description of Deficiency

Working on an access platform equipped with a safety chain at the ladder as a guard. 1 employee climbed down the ladder and did not put the chain back in place while a 2nd employee was on the platform which could have led to a fall.

Critical Driver/Root Cause

Complacency and not recognizing changing conditions in work area.

Corrective Action

Connected the chain correcting the hazardous condition.

Future Mitigation

During pre-job safety assessment while walking down the job with the crew we are not only focused on the hazards that are but the hazards that could be if something changes and emphasize 360 awareness while on the job as conditions change.

2019 Citation #9349047

Description of Deficiency

All equipment on mine site shall have the parking brake set and wheels chocked. Forklift was not in service and the wheels were not chocked.

Critical Driver/Root Cause

Job was complete, and forklift was parked for rental company pick up and the operator did not want to leave behind our blocks.

Corrective Action

Blocked the tires at the time of inspection eliminating the potential hazard.

Future Mitigation

We now require all rental equipment to be delivered with wheel chocks and fully inspected.

2018 Citation #9396441

Description of Deficiency

The disconnect box located next to Mandros Office Trailer had the cover plate missing, exposing the termination points. 240V system.

Critical Driver/Root Cause

This condition exposed miner to shock and or burn hazard associated with 240-volt systems. Not recognizing hazards or potential hazards

Corrective Action

Had a qualified person installed cover plate protecting Miners from potential shock or electrical burns from disconnect box.

Future Mitigation

Do final walk through with workers installing offices at work sites. Note potential hazards and fix immediately.

2018 Citation #8931782

Description of Deficiency

The outside 110/220-volt breaker box to the contractor's office trailer did not have the breakers labeled identifying the power source.

Critical Driver/Root Cause

If a power source was expected to be disconnected and the wrong breaker was turned off and locked out, the miner could receive serious shock or burn injury from an energized electrical circuit.

Corrective Action

The correct labeling was put on the breakers by a qualified person and employees were trained on recognizing such hazards. Future mitigation- Do final walk through with workers installing electrical boxes at work sites. Note potential hazards and fix immediately. Always have electrical breaker boxes labeled.

2015

No Citations This Year

2016

No Citations This Year

2017

No Citations This Year

2018

Citation #01001A/B

2019

No Citations This Year

2020

Citation #1478286

2021

No Citations This Year

OSHA CITATIONS

Citation #01001A/B

Description of Deficiency

The partially erected scaffold does not reflect the engineering drawings requirements.

Critical Driver/Root Cause

The OSHA Inspector sites Prime Industrial, the Sub-contractor, and Mandros Painting, the Prime contractor for not completing and erecting the scaffold according to the specified engineering drawing requirements.

Corrective Action

The new scaffolding plan was submitted, and scaffolding was erected according to the engineered plan.

Future Mitigation

If scaffolding plans change, work will be stopped, new scaffolding plans will be completed and then building scaffolding can resume.

Citation #1478286

Description of Deficiency

29 CFR 1904.39(a)(2): Basic requirement. Within 24 hours after the in-patient hospitalization of one or more employees or an employee's hospitalization or an employee's loss of an eye, as a result of a work-related incident, you must report the in-patient hospitalization, amputation or loss of eye to OSHA.

Critical Driver/Root Cause

We reported the amputation in 36 hours to OSHA, which is over the required 24-hour time frame.

Corrective Action

For this citation there was no corrective action to take place. We reported the amputation, it just wasn't in the time frame cited. See Future mitigation.

Future Mitigation

We have retrained all Safety personnel and Management in the OSHA CFR that requires all amputations, hospitalizations and loss of an eye to be reported to OSHA in 24 hours.

2015

No Recordables This Year

2016

No Recordables This Year

2017

No Recordables This Year

2018

No Recordables This Year

2019

No Recordables This Year

2020

Recordable #1

Recordable #2

2021

No Recordables This Year

RECORDABLES

Recordable #1

Description of Deficiency

While changing flat tire on trailer, trailer fell off bottle jack and pinched employee hand between trailer and tire. Causing a broken hand.

Critical Driver/Root Cause

Bottle jack would not extend high enough to get tired out safely and was unstable.

Corrective Action

Retraining workers to not place body parts in potential pinch points and not rush to complete a task. Also training on properly using and placement of that jack during work.

Future Mitigation

Continually emphasize proper tool use and training throughout the safety meeting and JSA's. Emphasize hand placement and Stop Work Authority.

Recordable #2

Description of Deficiency

While Hydro-blasting an employee had climbed outside of the scaffolding and lost his footing, redirecting the hydro blast wand across the top of the employees' foot, severely injuring his two toes.

Critical Driver/Root Cause

Not properly using the scaffolding and not wearing proper PPE.

Corrective Action

Job was stopped, Scaffolding was modified, and proper PPE was worn.

Future Mitigation

Accessing surfaces by means of scaffolding If surfaces are not accessible via installed scaffolding work is to be stopped and scaffolding will be modified to safely access areas before work continues, Using Hydro Blasting PPE and have crew foreman(s) ensure all PPE is worn for specific task.

**BEFORE THIS MARCH RECORDABLE,
WE HADN'T HAD A RECORDABLE
FOR 5 YEARS AND 5 MONTHS!**



Let's Get Started

Mandros

Office: 307-875-6555

Email: sales@mandros.net

Mailing Address

PO Box 1090

Green River, WY 82935

Physical Address

4996 Hwy 374

Green River, WY 82935