INSPECTION DISTRIBUTION SHEET
METAL AND NONMETAL MINES
P.L. 91-173

WORK COPY
FILE COPY

UNITED STATES
DEPARTMENT OF LABOR
MSHA - SAFETY AND HEALTH ACTIVITY

Type of Inspection: 01
Identification No.: 42-00023

Event No.: 136810

Originating Office: Salt Lake City, Utah

This Inspection

Mine Name: Aragonite
Company: Utah Calcium Company Inc.

Location: Aragonite, Tooele County, Utah

Date of Inspection: 8/26-28/87

Inspector(s): William W. Wilson; James V. Skinner

Previous Inspection

Mine Name: Same
Company: Same

Date: 4/27-28/87

Type of Operation

56 X 57 X Mill ___

Other (Identify) ___

Gassy ___ Nongassy X

Company Officials

Augustin Suchar, President
Utah Calcium Company
5556 South State Street
Murray, UT 84107

State Agencies

None

Union

None

District Manager, Rocky Mountain District

Files:emt

MT & Area

CS/MILL
B:07

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1020
3. Citation/Order Number: 2648725
4. Served To: MARK WILLES
5. Operator: UTAH CALCIUM COMPANY, [redacted]
6. Mine: ARAGONITE
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice

8a. Written Notice (103g) ☐

A small box of fused detonator (blasting caps) was stored in the same magazine with 3 boxes of SOB slip on boosters, 3 rolls of primacord, and 20 bags of AN-FO blasting agent. The magazine consisted of an old wooden metal framed railroad box car. The box car was located between the personnel housing trailers and the mill complex. The detonator were Ireco No. 6 aluminum type. Due to the close proximity of the detonator and the Class A explosives (primacord & booster) a violent explosion could occur. The primers were moved to a remote end of the magazine until a separate magazine is established.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐; B. Section of Act: —; C. Part/Section of Title 30 CFR: 56.6002

Section II—Inspector's Evaluation

10. Gravity:

A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒

C. Significant and Substantial (See Reverse): Yes ☒ No ☐

D. Number of Persons Affected: 006

11. Negligence (check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☒ E. Reckless Disregard ☐

12. Type of Action: 104-a-, —, —

13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action

A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Citation/Order Number: F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date: Mo 08 Da 26 Yr 87; B. Time (24 Hr. Clock): 1500

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date: Mo Da Yr; B. Time (24 Hr. Clock):

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M
22. Signature: James V. Spenna
23. AR Number: 356

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1020
3. Citation/Order Number: 2648726
4. Served To: MARK WILLES
5. Operator: UTAH CALCIUM COMPANY, ~~[illegible]~~
6. Mine: ARAGONITE
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

The magazine used for storage of Class A primacord, FO-B booster, and AN-FO blasting agent was in violation of the following sections of the 56.6020 standard: (b) wooden structure with dry weeds underneath, and paper and cardboard inside, (c) not constructed of non combustible material (wooden structure steel frame), ~~metal nails~~ (f) metal nails on walls and floor inside, (g) no proper vents near floor and ceiling, (h) only one door on one door, and other opening covered by 2 sheets of ¾" plywood (i) no suitable danger signs (j) paper bags (numerous), old clothing, table saw, and litter,

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ — B. Section of Act: — — — C. Part/Section of Title 30 CFR: 56.6020

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐ — D. Number of Persons Affected: 006

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☒ E. Reckless Disregard ☐

12. Type of Action: 104-a-, — —
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number: — F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date: Mo 08 Da 26 Yr 87 — B. Time (24 Hr. Clock): 1630

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date: Mo Da Yr — B. Time (24 Hr. Clock):

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: James V. Skinner
23. AR Number: 356

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1035
3. Citation/Order Number: 2648727
4. Served To: MARK WILLES
5. Operator: UTAH CALCIUM COMPANY, ~~[illegible]~~
6. Mine: ARAGONITE
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

The metal electrical boxes located in the southeast corner of the coarse calcite storage shed were not frame grounded to a system safety ground. The metal boxes consisted of 2 duplex receptacles (120 volt), 1-4X4 junction box (120 volt), 1 combination duplex receptacle and light switch (120 volt) and 1 welding plug receptacle (220 volt). The ungrounded boxes were accessable to contact by persons who occasionally work in the building. If a ground fault were to occur on any of the boxes, a shock hazard could exist. All the above electrical outlets and wiring were energized.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ — B. Section of Act: — — — — C. Part/Section of Title 30 CFR: 56.12025

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐ — D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, — — 13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number: — F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo 08 Da 28 Yr 87 — B. Time (24 Hr. Clock): 1630

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M
22. Signature: James V. Skinner
23. AR Number: 356

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1050
3. Citation/Order Number: 2648728
4. Served To: MARK WILLES
5. Operator: UTAH CALCIUM COMPANY, ~~[illegible]~~
6. Mine: ARAGONITE
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

The receptacles (120 volt), welding plug receptacle (220 volt), and all energized wiring in the coarse calcite storage shed were not protected against short circuits. The above wiring and related fixtures were fed from a utility metering box directly to the components without fuses or breakers for short-circuit protection. If a short-circuit were to occur in any of the wiring or components, a fire and possible burn hazard could exist. Persons use the building occasionally.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ — B. Section of Act — C. Part/Section of Title 30 CFR: 56.12001

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☒ Permanently Disabling ☐ Fatal ☐
C. Significant and Substantial (See Reverse): Yes ☒ No ☐ — D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-,
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo 08 Da 28 Yr 87 — B. Time (24 Hr. Clock): 1630

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: James V. Spence
23. AR Number: 356

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1105
3. Citation/Order Number: 2648729
4. Served To: MARK WILLES
5. Operator: UTAH CALCIUM COMPANY, ~~MINING~~
6. Mine: ARAGONITE
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

A distribution box (220 volt) located directly below the housing trailer utility company meter contained two energized 220 volt bare buss terminals that were not covered. The terminals were not connected to any load feeders. The bare terminals were located 4½ feet above the ground, and the open box measured 7 inches wide horizontally. Persons who might need to operate adjacent circuit breakers for the mill or housing trailer power would be exposed to the bare terminals. No persons were observed in the area prior to or after the violation was observed.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation — A. Health ☐ Safety ☐ Other ☐ — B. Section of Act — C. Part/Section of Title 30 CFR: 56.12032

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☒ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐ — D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☒ E. Reckless Disregard ☐

12. Type of Action: 104-a-, — 13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due — A. Date: Mo 08 Da 26 Yr 87 — B. Time (24 Hr. Clock): 1130

Section III—Termination Action

17. Action to Terminate: The cover was found and replaced

18. Terminated — A. Date: Mo 08 Da 26 Yr 87 — B. Time (24 Hr. Clock): 1110

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: James V. Spenner
23. AR Number: 356

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1140
3. Citation/Order Number: 2648730
4. Served To: MARK WILLES
5. Operator: UTAH CALCIUM COMPANY, ~~MINING~~
6. Mine: ARAGONITE
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

Splices in the main power feeder, supplying 480 power to the mill from the diesel generator, were not protected by a junction box. The splices were located between the diesel generator and the main fused disconnect shed. The splices were taped, but were lying on the ground being subjected to moisture and other elements of weather. Possible leakage to earth could occur after prolonged exposure to damaging weather elements. A person could be exposed to shock hazards, if the splices were to leak current. A person must start the generator when the mill is operated.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ — B. Section of Act — C. Part/Section of Title 30 CFR: 56.12030

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐ — D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, — 13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo 08 Da 28 Yr 87 — B. Time (24 Hr. Clock): 1630

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 013681 0
21. Primary or Mill: M

22. Signature: James H. Skinner
23. AR Number: 356

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 0945
3. Citation/Order Number: 2648857
4. Served To: Mark Willes
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice
8a. Written Notice (103g) ☐

The GMC 10-wheel dump truck (#TJV734V580859), being used to haul blasted onyx from the quarry to the mill (3.9 miles), did not have adequate brakes to stop the truck in an emergency. Truck was not being used at this specific time, but is used daily. The truck was equipped with 2 air brakes per axle with 3 axles (2 rear and 1 front) under the truck. The front rearward axle brakes were completely "backed off" and not functioning as designed. According to miners here now, this defect was repeatedly turned in to the mine owner who said the brakes would be fixed when "he got time." Truck is used at speeds up to 50 MPH when traveling from the quarry to the mill - the road was estimated to have an overall 2-3% grade with some spots much steeper. The miners here

See Continuation Form (MSHA Form 7000-3a) ☒

9. Violation: A. Health ☐ Safety ☐ Other ☐ B. Section of Act — C. Part/Section of Title 30 CFR: 56.9003

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☒ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐
D. Number of Persons Affected: 002

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☒

12. Type of Action: 104-d-1,
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action
A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Citation/Order Number F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo 08 Da 28 Yr 87 B. Time (24 Hr. Clock) 0800

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: P

22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order Continuation

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Subsequent Action/Continuation Data

1. Subsequent Action ☐	1a. Continuation ☒	2. Dated (Original Issue) Mo 08 Da 26 Yr 87	3. Citation/Order Number 2648857-1
4. Served To: Mark Willis		5. Operator: Utah Calcium Company, (Contractor)	
6. Mine: Aragonite		7. Mine ID 42-00023-	

Section II—Justification for Action

stated that when the truck is loaded, coming from the quarry, the brakes would not stop the machine or even slow it down. The foreman stated he was aware of the lack of adequate brakes.

A test of the empty truck was made at the flat, mill yard. The truck was operated at a speed of about 20 MPH, in 3/3, and the service brakes applied. Two of the three brake sets stopped the wheels within a reasonable distance - the front rearward brake set did not noticeably stop the turning of wheels. Because of the defect, this inspector did not test a loaded truck on the quarry road to determine if what the miners stated was, in fact, true. The braking system was not adequate enough to perform this test loaded.

However, an examination of the front rearward brakes air cans revealed the rod-actuating levers functioning properly. The brake shoes, on both sides, were found to be worn to the rivets - upon questioning the foreman stated, to avoid further damage to either wheel drum from the brake shoe rivets, he had, several weeks ago, "backed off" the brake adjustment "all the way".

This is an unwarrantable failure.

Lack of adequate brakes on mine, or other roads, has been known to cause fatal accidents.

See Continuation Form ☐

Section III—Subsequent Action Taken

8. Extended To	A. Date Mo Da Yr	B. Time (24 Hr. Clock)	C. Vacated ☐	D. Terminated ☐	E. Modified ☐

Section IV—Inspection Data

9. Type of Inspection	10. Event Number	11. Signature	AR Number	12. Date	13. Time (24 Hr. Clock)
001	0136810	William W. Wilson	00573	Mo 08 Da 26 Yr 87	0945

MSHA Form 7000-3a, Mar 85 (revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 0955
3. Citation/Order Number: 2648858
4. Served To: Mark Willes
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice
8a. Written Notice (103g) ☐

The mill tool shed had numerous 55-gallon drums filled with the following: (1) diesel fuel conditioner; (2) 15W-40W oil; (3) hydraulic oil; (4) grease, et. al. Men are in this 8'x30' trailer daily and could be affected if a fire occurred. The shed did not have a fire extinguisher or other fire fighting equipment.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ B. Section of Act — C. Part/Section of Title 30 CFR: 56.4200(a)(1)

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☒ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☒ Permanently Disabling ☐ Fatal ☐
C. Significant and Substantial (See Reverse): Yes ☐ No ☒
D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, -
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action
A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐
E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due
A. Date: Mo 08 Da 31 Yr 87
B. Time (24 Hr. Clock): 0800

Section III—Termination Action

17. Action to Terminate

18. Terminated
A. Date: Mo Da Yr
B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1000
3. Citation/Order Number: 2648859
4. Served To: Mark Willes
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

The large Pettibone forklift (#5F, serial #1400), being used in the mill yard now to haul onyx boulders (weight - about 2 tons) did not have main brakes adequate to stop the machine in an emergency situation. The machine was tested at idle speed, in 2nd gear with a pallet full of boulders - with the brake pedal "to the floor", the hydraulic brakes would not slow the machine down. Operator was observed using the forks to stop the machine. The foreman stated he was aware of problem and that the brakes had been inadequate for weeks. Miners here now stated the mine owner was repeatedly told of this problem and said "he'd get to it". Other miners were observed working on the ground around the machine now. (56.9002) The hydraulic-actuated driveline

See Continuation Form (MSHA Form 7000-3a) ☒

9. Violation: A. Health ☐ Safety ☐ Other ☐ — B. Section of Act — C. Part/Section of Title 30 CFR: 56.9003

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☒ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐
D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☒

12. Type of Action: 107-a-, 104-a-
13. Type of Issuance (check one): Citation ☒ Order ☒ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment
Pettibone forklift (#5F)

16. Termination Due: A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order Continuation

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Subsequent Action/Continuation Data

1. Subsequent Action ☐	1a. Continuation ☒	2. Dated (Original Issue) Mo 08 Da 26 Yr 87	3. Citation/Order Number 2648859-

4. Served To: Mark Willes

5. Operator: Utah Calcium Company (Contractor)

6. Mine: Aragonite

7. Mine ID: 42-00023-9

Section II—Justification for Action

parking brake, when applied, would not hold the machine stationary when the machine was in neutral, parked on a ramp. This defect affects safety, particularly since the main brakes were inadequate.

If the machine were unable to stop, (it was a very large forklift), a miner could easily be run over and killed.

It appears the reason for lack of brakes on this forklift, and other equipment defects found during this inspection, is management's almost total lack of maintenance on the equipment.

See Continuation Form ☐

Section III—Subsequent Action Taken

8. Extended To: A. Date Mo Da Yr; B. Time (24 Hr. Clock); C. Vacated ☐ D. Terminated ☐ E. Modified ☐

Section IV—Inspection Data

9. Type of Inspection: 001

10. Event Number: 0136810

11. Signature: William W. Wilson

AR Number: 00573

12. Date: Mo 08 Da 26 Yr 87

13. Time (24 Hr. Clock): 1000

Mine Citation/Order Continuation

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Subsequent Action/Continuation Data

1. Subsequent Action ☒ 1a. Continuation ☐ 2. Dated (Original Issue) Mo 08 Da 26 Yr 87 3. Citation/Order Number 2648859 -

4. Served To: Mark Willes 5. Operator: Utah Calcium Company

6. Mine: Aragonite 7. Mine ID: 42 - 00023 - (Contractor)

Section II—Justification for Action

The order is modified to add the inspector's evaluation (as per section II) for the 56.9002 standard violated:

10 (A) ☒ HIGHLY Likely

(B) ☒ Fatal

(C) ☒ S&S (D) 1 person affected

11 (A) ☒ RECKLESS DISREGARD

See Continuation Form ☐

Section III—Subsequent Action Taken

8. Extended To A. Date Mo Da Yr B. Time (24 Hr. Clock) C. Vacated ☐ D. Terminated ☐ E. Modified ☒

Section IV—Inspection Data

9. Type of Inspection 001 10. Event Number 013681 0

11. Signature: William W. Wilson AR Number 00573 12. Date Mo 08 Da 26 Yr 87 13. Time (24 Hr. Clock) 1001

MSHA Form 7000-3a, Mar 85 (revised)

Mine Citation/Order Continuation

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Subsequent Action/Continuation Data

1. Subsequent Action ☒	1a. Continuation ☐	2. Dated (Original Issue) Mo 08 Da 26 Yr 87	3. Citation/Order Number 2648859 -

4. Served To: Anna Suchar
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42 - 00023 - (Contractor)

Section II—Justification for Action

The following repairs were performed: (1) the master cylinder was totally ~~rebuilt~~ rebuilt as it was "shot"; (2) the vacuum booster was discarded and a new one installed; (3) numerous adjustments were necessary to the brakes, after the parts were installed, to get them to function properly. The mechanic's opinion was that everything was so messed up that further adjustments may have to be made.

A test of the main braking system, as done yesterday, was performed; the loader stopped "on a dime".

The parking brake is still defective. This is because the transmission seal is leaking fluid all over the unit - a new seal is being ordered and the parking brake will be repaired once the oil leak is curbed.

The order is modified to allow the operator to use the machine for loading trucks. However, the operator is cautioned to place the forks on the ground and block the machine whenever the operator is not on it until the parking brake is repaired.

See Continuation Form ☐

Section III—Subsequent Action Taken

8. Extended To: A. Date Mo Da Yr; B. Time (24 Hr. Clock) : ; C. Vacated ☐ D. Terminated ☐ E. Modified ☒

Section IV—Inspection Data

9. Type of Inspection: 001
10. Event Number: 0136810
11. Signature: William W. Wilson
AR Number: 00573
12. Date: Mo 08 Da 27 Yr 87
13. Time (24 Hr. Clock): 1500

MSHA Form 7000-3a, Mar 85 (revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1005
3. Citation/Order Number: 2648860
4. Served To: Mark Willis
5. Operator: Utah Calcium Company ~~Alan~~
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

The large Pettibone fork lift (#5F, serial #1400), being used now in the mill yard to haul pallets of onyx boulders, did not have an audible back up alarm to warn others in the area when it was backing up. The alternative of using a spotter was not being done. The machine had restricted vision to the rear. Miners were on the ground, all around the forklift performing work. If a miner were run over by the forklift, he would be killed.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ — B. Section of Act: — — C. Part/Section of Title 30 CFR: 56.9087

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐ — D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, — —
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number: — F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date: Mo 08 Da 31 Yr 87 — B. Time (24 Hr. Clock): 0800

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date: Mo Da Yr — B. Time (24 Hr. Clock):

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M
22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1025
3. Citation/Order Number: 2648881
4. Served To: Mark Willes
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice
8a. Written Notice (103g) ☐

The Driveline-type, cable-actuated, parking brake on the 4-yard Michigan 275B front-end loader, would not hold the loader stationary when tested. Machine was being used at the mill yard now. Machine was tested in neutral on a ramp - machine rolled off. Main service brakes were OK. This defect could affect safety if someone relied on it to safely park the machine.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐; B. Section of Act: —; C. Part/Section of Title 30 CFR: 56.9002

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☒ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☐ No ☒
D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, —, —
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐
E. Citation/Order Number: F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date: Mo 08 Da 31 Yr 87; B. Time (24 Hr. Clock): 0800

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date: Mo Da Yr; B. Time (24 Hr. Clock):

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1145
3. Citation/Order Number: 2648882
4. Served To: Mark Willis
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice
8a. Written Notice (103g) ☐

At the mill diesel fuel refueling area was observed a discharged "Kidde" fire extinguisher. Two 5000-gallon diesel fuel tanks, with fuel, were here and are used daily.
The fire extinguisher had been discharged for several weeks.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐; B. Section of Act: —; C. Part/Section of Title 30 CFR: 56.4203

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☒ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☒ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐
C. Significant and Substantial (See Reverse): Yes ☐ No ☒
D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, —, —
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐
E. Citation/Order Number:
F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date: Mo 08 Da 31 Yr 87; B. Time (24 Hr. Clock): 0800

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date: Mo Da Yr; B. Time (24 Hr. Clock):

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1155
3. Citation/Order Number: 2648883
4. Served To: Mark Willes
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice
8a. Written Notice (103g) ☐

Thy the mill crushing shed was observed an unsecured acetylene and oxygen bottle. The pressurized, uncapped, bottles could be knocked over onto the concrete floor. Dislodging the gauges that were ~~attached~~ attached causing them to become "unguided missiles" that could cause a serious injury to persons in the area regularly.
The bottles were adjacent to an active workplace and were highly visible.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐; B. Section of Act: —; C. Part/Section of Title 30 CFR: 56.16005

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐
D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, —, —
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐; E. Citation/Order Number; F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo 08 Da 26 Yr 87; B. Time (24 Hr. Clock) 1500

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr; B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M
22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 26 Yr 87
2. Time (24 Hr. Clock): 1210
3. Citation/Order Number: 2648884
4. Served To: Mark Willes
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice — 8a. Written Notice (103g) ☐

~~The~~ In the mill was observed a 5-gallon "jeep" can about ½ full of gasoline. The "jeep" can had a long spout on it allowing gasoline fumes to vent to the mill building atmosphere. The gasoline was used to fuel the mill forklift. The gasoline (a flammable liquid) was not stored in a safety can. No overpowering ~~presence of~~ gasoline fumes were smelled nor was anyone observed smoking in the area.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ — B. Section of Act — C. Part/Section of Title 30 CFR: 56.4402

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☒ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☐ No ☒ — D. Number of Persons Affected: 001

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, — 13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo 08 Da 31 Yr 87 — B. Time (24 Hr. Clock) 0800

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: M

22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 08 Da 27 Yr 87
2. Time (24 Hr. Clock): 1400
3. Citation/Order Number: 2648885
4. Served To: Anna Suchar
5. Operator: Utah Calcium Company
6. Mine: Aragonite
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice
8a. Written Notice (103g) ☐

At the quarry, the west side highwall was estimated to be 125 feet high - the east side highwall was about 60 feet high. Numerous loose, unconsolidated boulders, rocks, fractured rock, etc. was observed along the crests and on the highwalls themselves. The two vertical highwalls were directly over the drilling/blasting area and the loading site. Miners work under the highwalls daily with drilling and blasting occurring weekly.
The loose & unconsolidated material at the crest was not stripped back nor sloped to the angle of repose. Other fall-of-material hazards, as noted above, were not corrected.
The length of exposure at the highwall base was about 50 yards with a width of 15 to 20 yards. If a rock/rocks fell a miner would be killed.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐ B. Section of Act — C. Part/Section of Title 30 CFR: 56.3131

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☒ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☒
C. Significant and Substantial (See Reverse): Yes ☒ No ☐ D. Number of Persons Affected: 002

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☒ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-a-, —
13. Type of Issuance (check one): Citation ☒ Order ☐ Safeguard ☐

14. Initial Action
A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo 09 Da 25 Yr 87 B. Time (24 Hr. Clock) 0800

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 001
20. Event Number: 0136810
21. Primary or Mill: P

22. Signature: William W. Wilson
23. AR Number: 00573

MSHA Form 7000-3, Mar 85 (Revised)

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 09 Da 14 Yr 87
2. Time (24 Hr. Clock): 1300
3. Citation/Order Number: 2648735
4. Served To: WALT HARAPIAK
5. Operator: UTAH CALCIUM COMPANY
6. Mine: ARAGONITE
7. Mine ID: 42-00023 (Contractor)
8. Condition or Practice

8a. Written Notice (103g) ☐

A slough of material into old underground workings has occurred at the quarry. The slough caused a portable compressor and an air track drill to fall into the slough cavity. The slough cavity is approximately 30 feet in diameter, and approximately 30 feet deep from rim to water. The slough occurred sometime over the previous weekend at a time when no personnel were present at the quarry. This order prohibits persons from entering the area to retrieve equipment or perform other work until maps can be obtained to survey the location of existing underground workings; and the maps can be used to insure areas of maximum stability.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☐ Other ☐; B. Section of Act ___-___; C. Part/Section of Title 30 CFR ___.___

Section II—Inspector's Evaluation

10. Gravity:
A. Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐
C. Significant and Substantial (See Reverse): Yes ☐ No ☐ D. Number of Persons Affected

11. Negligence (check one)
A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 103-(R)-, ___-___
13. Type of Issuance (check one): Citation ☐ Order ☒ Safeguard ☐
14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Citation/Order Number F. Dated Mo Da Yr
15. Area or Equipment
16. Termination Due: A. Date Mo Da Yr; B. Time (24 Hr. Clock)

Section III—Termination Action

17. Action to Terminate
18. Terminated: A. Date Mo Da Yr; B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): 030
20. Event Number: 0136815
21. Primary or Mill: P
22. Signature: James V. Spencer
23. AR Number: 356

MSHA Form 7000-3, Mar 86 (Revised)