H.R. LaBounty Safety Awards Nomination Form

Nomination Deadlines:

Spring Awards: February 1, 2024

Fall Awards: September 2, 2024

Agency: Ramona Municipal Water District

Project/Initiative Title: Gas Monitor calibration/bump test SOP and training

Implementation Date: April 2024

Cost to Implement: $0

Staff Time Required: 2 hours

Number of Employees/Facilities Impacted: 30

Employee/Department/Committee Nominated:

Name(s): Randy Robertson & Mackenzie Martinez

Job Title/Department: (Randy) Collection system worker III & (Mackenzie) Utility worker II

Nomination Summary

Write a brief summary of your project/initiative. Clearly state the problem/hazard recognized by the nominee and the specific reasons that they initiated corrective action.

Randy and Mackenzie recognized that although gas monitors are readily available for staff to use, they were not always being consistently bump tested and calibrated prior to their use and this could lead to getting inaccurate readings when testing for hazardous atmospheres, which could potentially lead to an employee unknowingly being exposed to hazardous atmospheres. They believed that this was due to not having a clearly understandable SOP on how and when to properly bump test and calibrate the detectors.

Describe the specific actions taken to resolve the problem(s) or challenge(s). Share the best practices that made this initiative successful for the agency and its impact.

Randy and Mackenzie were both willing to share their experience with the safety department and took part in developing a SOP and lead a group tailgate training/demonstration on how to properly calibrate and bump test the district's gas monitors. Randy and Mackenzie realize that having written procedures and training on those procedures are an effective way to reduce inconsistencies in the use of safety equipment.

State whether the hazard was reduced with engineering controls, introduced a new administrative or work procedure, or relied on personal protective equipment to solve the problem.

Randy and Mackenzie were utilizing effective administrative controls to reduce the risk (written procedures & training).

Describe any extraordinary circumstances that made this nominee's safety accomplishments significant. Describe whether the nominee influenced safety in the workplace, encouraged employee participation in safety efforts, obtained organizational "buy in" to implement the solution.

Randy and Mackenzie have shown to others that one of the best ways to better the safety culture is to engage with their fellow workers and encourage sharing of knowledge/experience.

Describe whether the project/initiative addressed a hazard or exposure included in the JPIA Commitment to Excellence Program.

☐Office/Field Ergonomics

☐Vehicle Operations

☐Slip/trip/falls – falls from heights

☐Emergency Readiness/Wildfire Prevention

☐Other:

List and attach any supporting materials that you feel are important for the reviewers to gain a complete picture of the nomination. Digital photos, supporting documentation, sample forms, etc.

Photos, training rosters and written SOP.

Nominated by: Chris Spicuzza **Date:**8/19/2024

General Manager: Eric Wilson **Date:** 8/23/24

Bump Testing Gas Monitoring Devices

Standard Operating Procedure (SOP)

Purpose and Scope:

RMWD developed this SOP to ensure that the Gas Monitoring Devices are properly tested and calibrated prior to use to ensure that employees can work safely and in compliance with OSHA standards 1910.146 (c)(5)(ii)(C) and 1926.651(g).

Application:

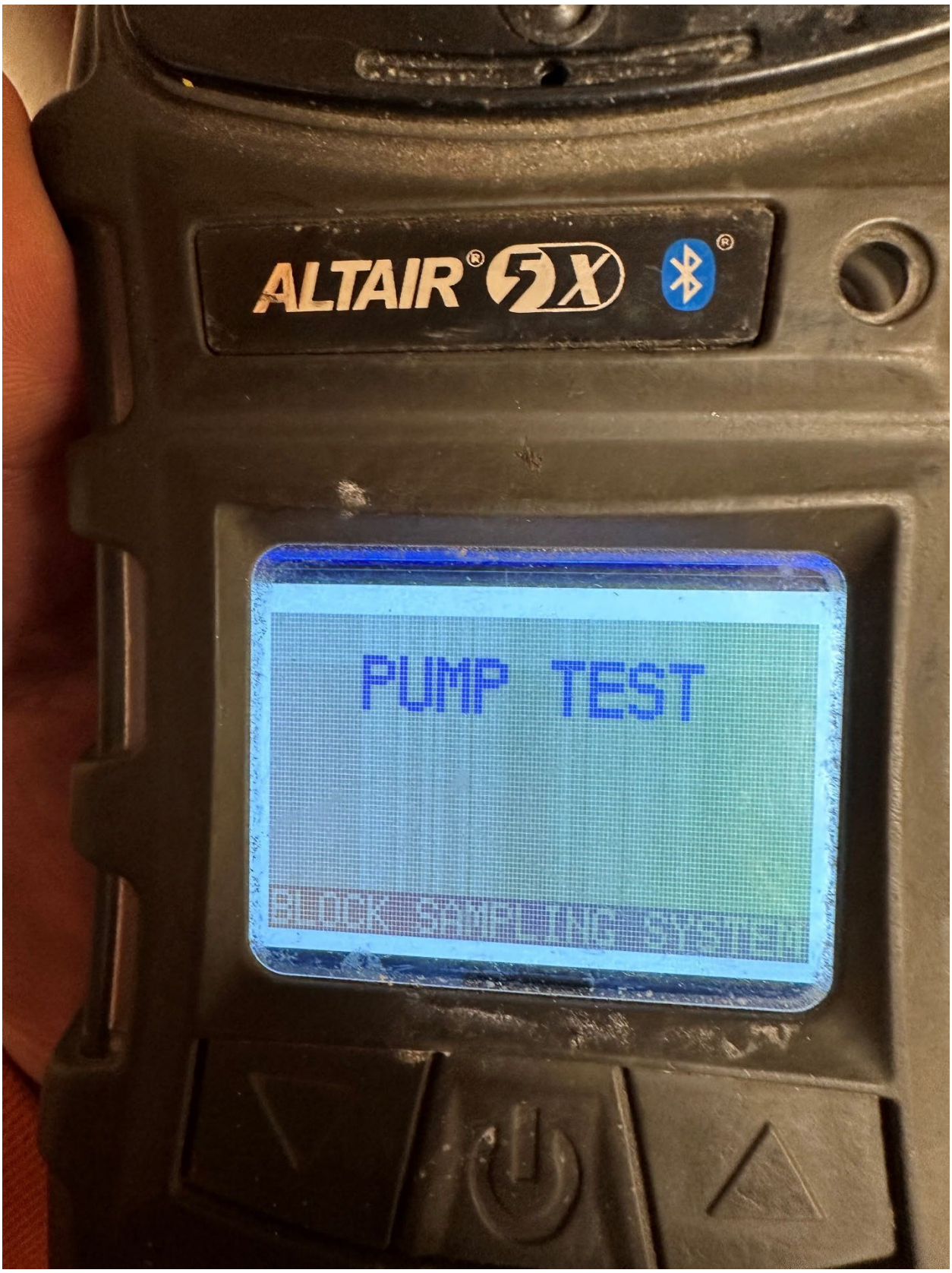
When bump testing the Gas Monitoring Device:

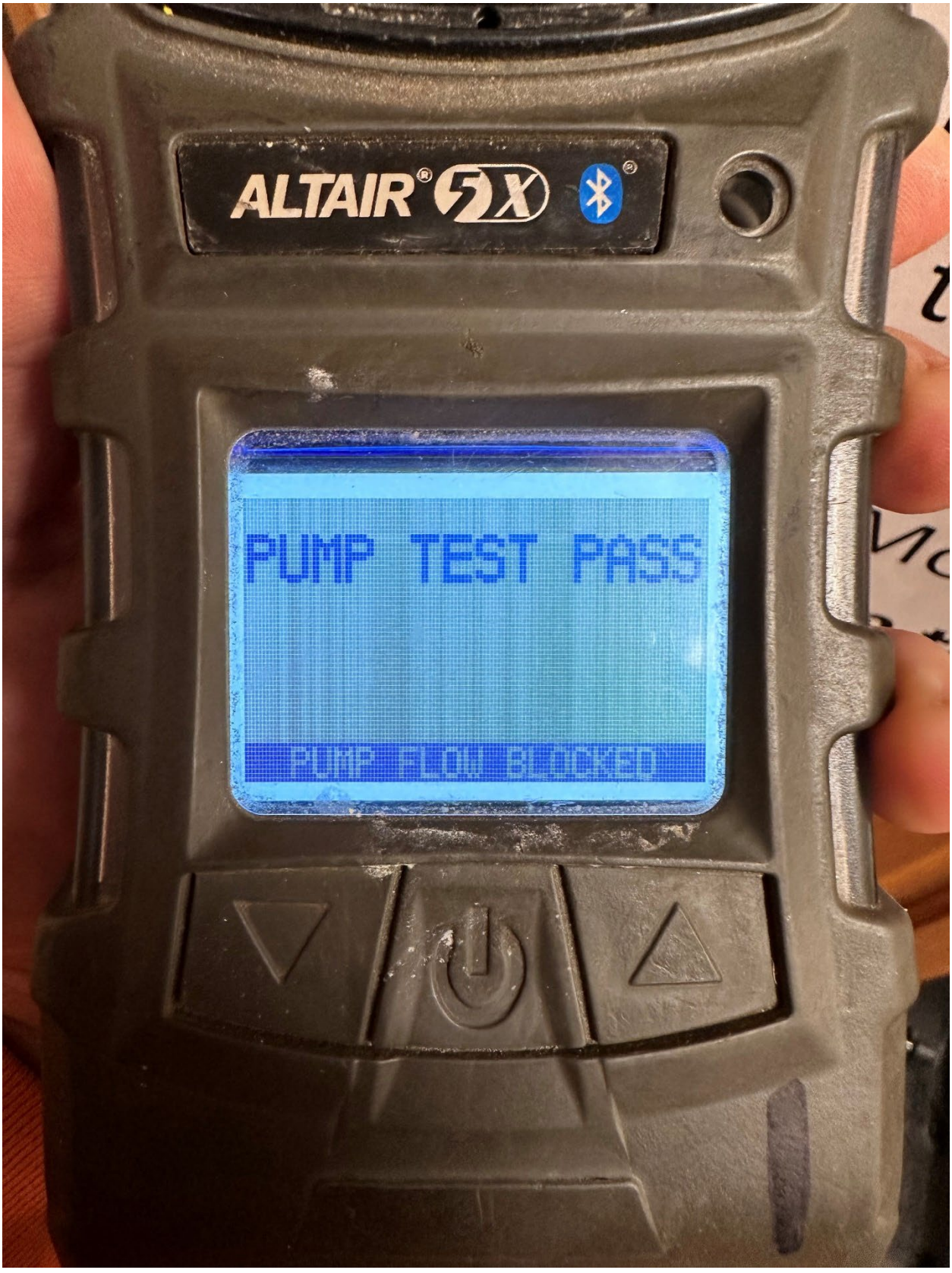
- Start out by removing the device from the charging port and check to make sure there is gas in the Gas Cylinder to perform the bump test.
- Turn the device on by pressing the Power Button.
- The device will indicate a Pump Test, to perform this test cover the port that is located on the back side of the device. Hold your finger on there until the screen reads “Pump Test Pass.”
- Once the Pump Test is complete, open the Automated Test System and place the device, with the pump’s port facing outward, into the machine and make sure that it is plugged into the receptacle. Close the door of the Automated Test System.
- The Automated Test System will then automatically perform the bump test required for the Gas Monitoring Device. Wait for the ATS to fully run its test and when it is finished a green light will come on that says “Pass” indicating a successful bump test. Once the test is completed wait for the ATS to prompt you to remove the device.
- In the occurrence of a failed bump test, the Automated Test System will then proceed to re-calibrate the Gas Monitoring Device. Once the calibration is complete with a green light indicating a Pass then wait for the ATS to prompt you to remove the device from the machine.
- **** If both the bump test and the calibration test fail, then remove the device from the ATS and put it Out of Service until the Gas Monitoring Device can properly be fixed. ****
- Once you pull the Gas Monitoring Device from the Automated Test System grab the hose that attaches to the pump port on the back of the device and verify that there is a filter cartridge in place or else you could ruin the Gas Monitoring Device.
- Be sure to fill out the Gas Monitor Bump Test Log after you have completed the Bump Test for the Gas Monitoring Device.
- When you are finished using the Gas Monitoring Device, put all parts to the device away in the devices’ storage cabinet and plug the device back into the charging port.


Gas Monitor Bump Test Log
It is the responsibility of the user to bump test the monitor, each day, prior to use.
Be sure to complete each field after performing a bump test.
Date
Unit #
Initials
MSA
ALTAIR
DIFFUSION
AUTOMATED TEST SYSTEM
MSA
GALAXY
CYLINDER HOLDER
Airgas
MSA
GALAXY
PASS
FAIL


Gas Miser® Demand
For Use With Chlorine (CL2) &
500
PSI BAR
H2S

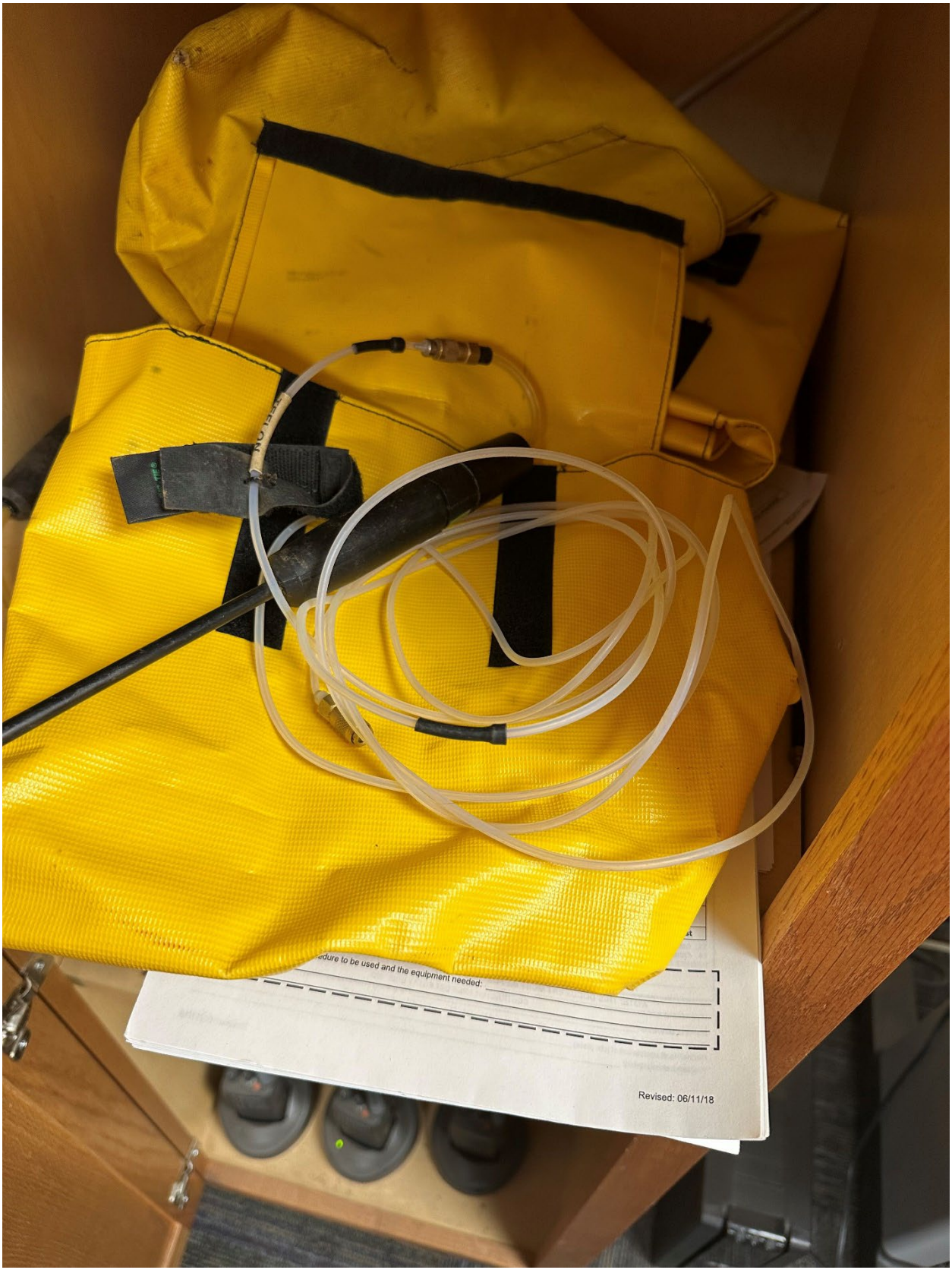

CLASSIFIED
UL
ALTAIR 5X
MSA
MINE SAFETY APPLIANCES COMPANY
PRODUCT OF U.S.
GAS DETECTOR FOR USE IN HAZARDOUS LOCATIONS ONLY AS TO INTRINSIC SAFETY
Cl. I, DIV 1, GR A,B,C,&D, Cl.II, DIV 1, GR F&G
Cl. III, DIV 1
T4, -40°C ≤ Ta ≤ +50°C
Li-Ion Pack P/N 10114835
Alkaline Pack P/N 10114837
Duracell MN1500 or Engergizer E91
WARNING
RFID
H16
00100649


ALTAIR 5X
PUMP TEST

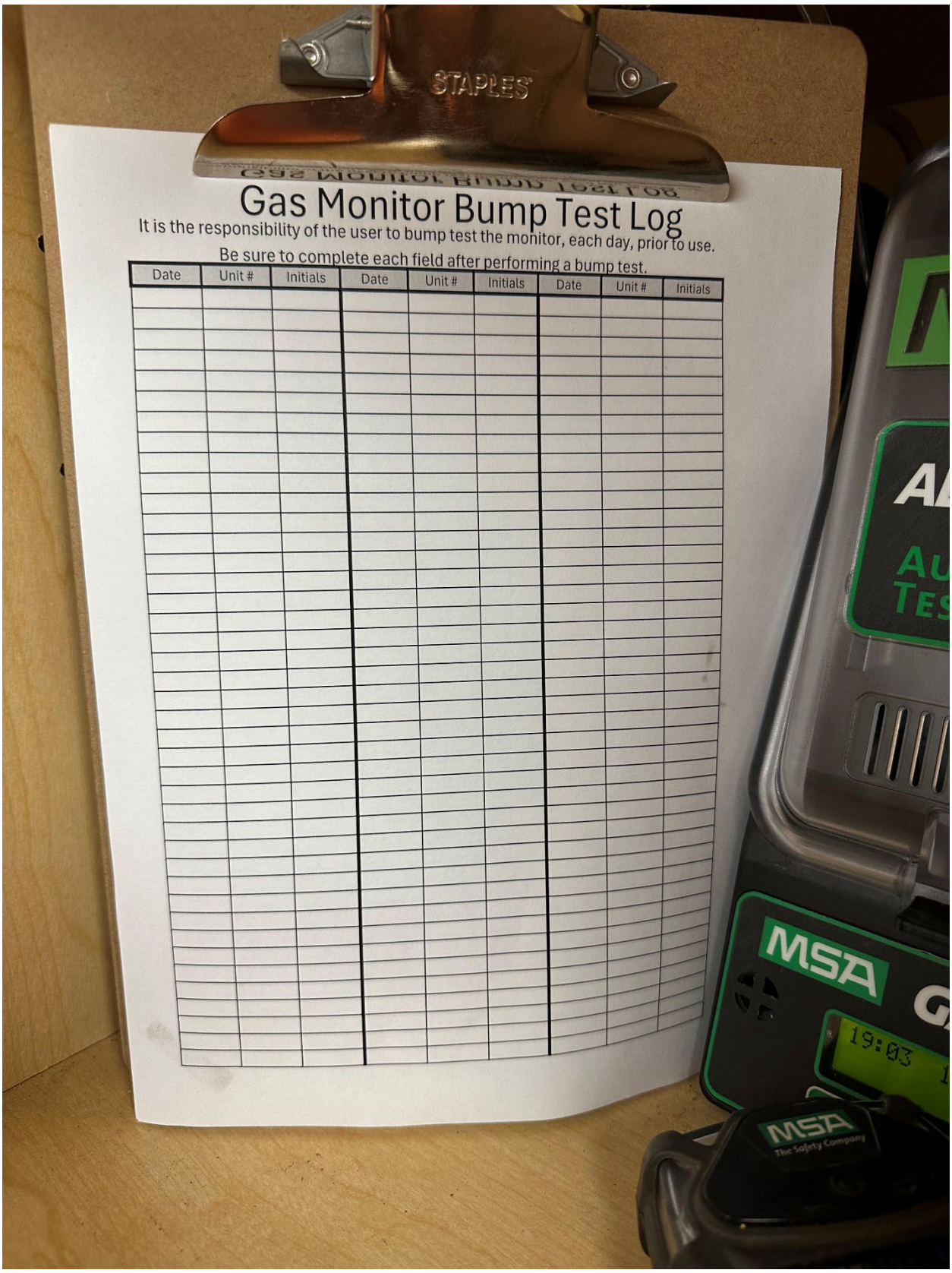

ALTAIR 5X
PUMP TEST PASS
PUMP FLOW BLOCKED


MSA
<INSERT INST>


TEST SYSTEM
MSA
GALAXY
BUMP/CAL ON FAIL
TEST START
PASS
FAIL


edure to be used and the equipment needed:
Revised: 06/11/18


RMWD Safe Work Practices – Confi
Exhibit B CONFINED SPACE E
NOTE:
(1) Each confined space should always be considered a Full Permit-Required
(2) Each permit is valid for the assigned task only. (Not to exceed one work sh
PERMIT ISSUE DATE/TIME:
EXPIRATION DATE/TIME:
SPACE ID/LOCATION:
SPECIFIC WORK PROCEDURE:
AGENCY:
AUTHORIZED ENTRANT(S):
ATTENDANT(S):
(Without entering the space, conduct an atmospheri
ATMOSPHERIC ASSESSMENT (Required for every co
Method of Monitoring the Atmosphere:
Calibration Date:
SUBSTANCE
TIME
CONDUCTED BY
PERMISSIBLE EXPOSURE LIMIT
OXYGEN
19.5 - 23.5%
LEL
10%
HYDROGEN SULFIDE
10 PPM
CARBON MONOXIDE
25 P
OTHER TOXIC
CONFINED SPACE CO
EMERGENCY RESCUE PLAN:
including job-introduced hazards.
Ventilation, and proceed to (c)(5) –
**RESCUE PLAN REQUIRED FOR ALL EN
REFER TO RESC
the rescue procedure to be used and the equipment nee


STAPLES
Gas Monitor Bump Test Log
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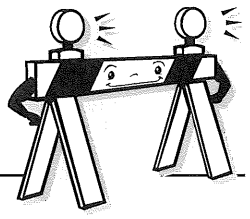
Date
Unit #
Initials
Date
Unit #
Initials
Date
Unit #
Initials
MSA
19:03
MSA
The Safety Company

RMWD TRAINING SIGN IN SHEET

DATE: 4/4/2024

TRAINER: Chris Spicuzza/ Randy Robertson



TOPIC: Gas Monitor (MSA altair x)

START TIME: 7:45 **END TIME:** 8:10

SUMMARY OF TOPIC:

Review proper safety procedures for the Districts gas monitor devices.

How and when to bump test & calibrate. User responsibilities. Interpreting readings.

Calibration and bump test demonstration.

Printed Name		*Signature*
Ahlgren, Chris	278	
Carmichael, Johnny	124	
Corrales, Jaime	352	
Escoto, Jason	280	
Guglielmetti, Kevin	338	
Hawa, Nick	308	
Leal, Anthony	342	
Lomeli, Joe	312	
Lopez, Cesar	286	
Martinez, Mackenzie	327	
Marty, Greg	187	
McGhee, Jason	303	
Medina-Dunstan, Moises	296	
Miller, Jon	204	
Nelson, Mike	203	
Ornelas, Angel	346	
Robertson, Randy	305	
Rugar, Ryan	313	

RMWD TRAINING SIGN IN SHEET

DATE: 4/4/2024

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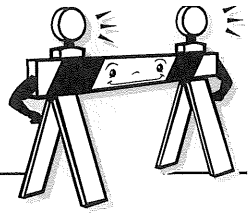

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Printed Name		*Signature*
Savage, Tim	317	
Smith, Jason	294	
Stehlik, Robert	285	
Taylor, Banning	337	
Tomas, Francisco	329	
Travis Sims	316