Response to DTSC Comments on
Annual 2023 Gas Operation and Maintenance Report and Five-Year Review dated February 2024
Playa Vista Elementary School (formerly Central Region Elementary School #22), 13150 West Bluff Creek Drive, Los Angeles, CA
DTSC Comments dated March 27, 2024

Comment Number	Section	DTSC Comment	Response
General Comments, DTSC Hazardous Substances Engineer (Marissa Woosley)			
1	6.7	*Section 6.7 entitled 5-Year Review Conclusions and Recommendation notes that water has been found routinely in several of the soil gas probes. Has the water found in the soil gas probes been addressed, or has rebuilding these probe locations been discussed? Please specify a plan of action to address this issue.*	New soil gas probes were installed adjacent to the five existing probes at a depth of 3 feet bgs on February 17, 2025 to ensure probes installed above groundwater level. New probes were monitored on February 27, 2025 and discussed in Section 4.3.6.
2	73.1	*In section 3.1, VC-3 is indicated to have been covered with overgrown brush and VL-7 is said to have been clogged during the fourth quarter inspection. Has the proprietor reached out to the adjacent park's management to see if brush can be cleared from VC-3 and has the clogging in VL-7 been cleared? Please provide a timeline of completion.*	Brush preventing access to VC-3 was removed and sampling was conducted at VC-3 in 2024. Sample port VL-7 was cleared prior to sampling in 2024.
3	4.3.6.2	*Section 4.3.6.2 indicates that soil gas probes SV-1 through SV-5 were unable to be sampled due to having low or no flow, and some of the probes contained water in the tubing. Is a plan being set up to rehabilitate these probes to continue biennial sampling? Please provide a timeline for completion.*	See Comment Response #1.
4	7.2.2.	*ESPO concurs with the new action items proposed in section 7.2.2.*	Completed
General Comments, DTSC Senior Engineering Geologist (Joe Hwong, P.G., CHG.)			
2	General	*Several vapor wells were not sampled due to high vacuum in the well heads. The DTSC Geologist recommends the system be shut down at least for a week prior to conducting the sampling in soil vapor wells.*	See Comment Response #1.

Los Angeles Unified School District

Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

TRANSMITTED ELECTRONICALLY

14 March 2025

Mr. Johnson Abraham, Project Manager
Brownfields and Environmental Restoration Program
California Department of Toxic Substances Control
5796 Corporate Ave.
Cypress, CA 90630

Subject: Playa Vista Elementary – 2024 Annual Gas Mitigation System Inspection Report

Dear Mr. Abraham,

The attached report is provided pursuant to the modified reporting requirements for the Gas Mitigation System (GMS) operations at the Playa Vista Elementary School (DTSC Site Code #304564). The report summarizes the GMS alarm history, incidents, and maintenance activities during the January 1st through December 31st (including inspections in January 2025) operating period and includes results of system inspections on March 28, June 20, 27-28, September 27, 2024 and January 2-3 and 7, 2024. There were no incidents related to seepage of subsurface natural gas during the subject operating period.

The subject inspection activities were performed by Clark Seif Clark, Inc. under the direction and oversight of the LAUSD Methane Mitigation Project Manager. Based on the inspection results and system operating history presented in the enclosed report, the GMS at the school continues to be operated in accordance with the applicable requirements of the Playa Vista Operation and Maintenance Agreement.

Please contact David Bell at cp-david.bell@lausd.net with questions or comments.

Thank you,

David Bell

David Bell
Methane Mitigation System Project Manager

C: Anthony Espinoza, LAUSD Environmental Health Manager
Connor Moore, LAUSD Site Assessment Program Administrator

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

Gas Mitigation System 2024 Annual Operation & Maintenance Report

Playa Vista Elementary School

Prepared for:

Los Angeles Unified School District
Contact: Anthony Espinoza
333 South Beaudry Avenue, 28th Floor
Los Angeles, California 90017
213.241.3199

Prepared by:

Clark Seif Clark, Inc.
CSC Project Number 4007359
4010 Watson Plaza Drive Suite 170
Lakewood, CA 90720
562.435.8080

March 2025

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LIST OF ACRONYMS

°F	Degrees Fahrenheit
ASTM	American Society for Testing and Materials
ax/hr	Air exchange/hour
Bgs	Below ground surface
CalEPA	California Environmental Protection Agency
Cf	Cubic feet
Cfh	Cubic feet per hour
Cfm	Cubic feet per minute
CHHSL	California Human Health Screening Level
CQA	Construction Quality Assurance
ELAP	Environmental Laboratory Accreditation Program
EMS	Energy Management System
DTSC	California Department of Toxic Substances Control
EF	Exhaust fan
ESA	Environmental site assessment
FC	Fan coil
FID	Flame ionization detector
Ft	Feet
ft/minute	Feet per minute
Gal	Gallon
GMI	General Monitors, Inc.
GMPM	Gas Mitigation Project Manager
GMS	Gas mitigation system
HMI	Human machine interface
HVAC	Heating, ventilation and air conditioning
in.	Inch
In. H_2O	Inches of water
In. Hg	Inches of mercury
LAUSD	Los Angeles Unified School District
lb/day	Pound per day
LCS	Laboratory control sample
LEL	Lower explosive limit
M&O	Maintenance & Operations
ml/min	Milliliters per minute
Mph	Miles per hour
MPR	Multipurpose room
NIST	National Institute of Standards and Technology
OEHS	Office of Environmental Health and Safety
O&M	Operation & Maintenance
PCE	Tetrachloroethene
PEA	Preliminary Environmental (or Endangerment) Assessment
PE	Professional Engineer (California License Holder)
PG	Professional Geologist (California License Holder)
PLC	Programmable logic controller

Ppbv	Parts per billion by volume
Ppmv	Parts per million by volume
Psig	Pounds per square inch gauge
PTC	Permit to construct
PTO	Permit to operate
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
QC/QA	Quality Control/Quality Assurance
RACR	Remedial Action Completion Report
RAP	Remedial Action Plan
RDD	Remedial Design Document
RPD	Relative percent difference
RWQCB	Los Angeles Regional Water Quality Control Board
SCAQMD	South Coast Air Quality Management District
Site	Playa Vista Elementary School (former Central Region Elementary School #22)
SSAL	Site-specific action level
SSI	Supplemental Site Investigation
TPH	Total petroleum hydrocarbons
µg/L	Micrograms per liter
UPS	Uninterruptible power supply
USEPA	United States Environmental Protections Agency
VOCs	Volatile organic compounds
WSHP	Water source heat pump

CERTIFICATION

On behalf of the Los Angeles Unified School District ("LAUSD"), Clark Seif Clark, Inc. ("CSC") has prepared this 2024 Annual Operation and Maintenance Report ("O&M Report") for the Gas Mitigation System ("GMS") that was installed at Playa Vista Elementary School (formerly known as Central Region Elementary School #22). The elementary school is located at 13150 West Bluff Creek Drive in the community of Playa Vista, City of Los Angeles, California 90094. This O&M Report presents the results of inspection and monitoring activities and summarizes the history of the system operations, maintenance, and alarms during 2024. This O&M Report was prepared in a manner consistent with the level of care and skill ordinarily exercised by professional engineers, geologists, and environmental scientists, under the technical direction of the undersigned.

Clark Seif Clark, Inc.

Aaron Garrett
Project Engineer

Jeffrey L. Bannon, PG
Vice President, Environmental Services

PROFESSIONAL GEOLOGIST
JEFFREY L BANNON
Exp Nov 2025
No. 5558
STATE of CALIFORNIA

1. INTRODUCTION

This report presents the findings of 2024 annual operation and maintenance (O&M) inspection and monitoring for the gas mitigation system ("GMS") that protects the Los Angeles Unified School District's Playa Vista Elementary School (formerly Central Region Elementary School #22). The elementary school is located at 13150 West Bluff Creek Drive in the community of Playa Vista, City of Los Angeles, California 90094 ("Site"; Figure 1). The 2024 O&M period includes the months of January through December 2024. The GMS inspection, testing and monitoring described in this report were conducted on March 28, June 20, 27 and 28, September 27, 2024 and January 2, 3, and 7, 2025. In addition, new replacement soil gas probes were installed at all five locations (SV-1 through SV-5) and monitored on February 27, 2025.

Based on the analysis of data presented in the 2019 Five-Year Review (CSC, 2019a) of operation and monitoring activities at the Site, during which time there had been no history of subfloor gas concentrations at levels that might have activated air sweep operations at the Site, LAUSD recommended curtailment of the continuous automatic gas detection and alarm system operation. A Technical Memorandum dated September 17, 2019 and approved by the DTSC on December 9, 2019, described the deactivation process and criteria for restarting the GMS.

As part of the planned changes in system operations, it was agreed that the gas detection and alarm system would be maintained in-place ready to restore to full operation in case the Site conditions changed and warranted reactivation of the alarm system. The GMS was subsequently deactivated on January 22, 2020. However, it was reactivated on July 2, 2020 at the request of the school principal in order to allow an opportunity to inform the staff and parents of deactivation in case they had any concerns or issues to address. An Updated GMS O&M Plan was prepared and approved by the DTSC in a letter dated April 12, 2021 to describe alternative operation and monitoring procedures (CSC, 2019c). The GMS has remained in operation under the contingency provisions in the Updated O&M Plan until the school community is notified and concurs with the planned changes to the system operations. In accordance with the Updated O&M Plan, monitoring and inspection activities have continued at the Site and are now reported on an annual basis. A five-year review was completed in 2023 and concluded the GMS has been operating properly.

1.1 CONSTRUCTION AND APPROVAL OF THE GMS

The GMS was constructed between August 2010 and May 2012 in accordance with a *Remedial Action Plan* (RAP; URS, 2009) and Remedial Design Document (RDD; URS, 2010), which were approved by the California Department of Toxic Substances Control (DTSC) on December 31, 2009 and August 3, 2010, respectively. During construction, the various components of the GMS were inspected, tested, and certified by the GMS Inspector and GMS Design Engineer in accordance with the *Construction Quality Assurance (CQA) Plan* that was included in the RDD. Upon completion of construction, a *Remedial Action Completion Report* (RACR; The Planning Center/DC&E, 2012a) was prepared and conditionally approved by the DTSC on June 29, 2012. After a few remaining construction and operational issues were addressed, the DTSC provided unconditional approval for the RACR on January 27, 2014 and the status of the Site was changed to "certified with operation and maintenance." The approved RACR provides

material specifications and as-built construction details for the GMS that are consulted, as needed, during routine O&M events.

Prior to occupancy of the elementary school, the completed GMS underwent and passed an initial round of start-up testing, otherwise known as "baseline" testing, in order to obtain certification for school occupancy from the DTSC. This initial round of post-construction testing, conducted during April and May 2012, was intended to demonstrate system performance and to confirm that the Site and associated structures were free from concentrations of methane, hydrogen sulfide, and volatile organic compounds (VOCs) above established action levels and, therefore, safe for occupancy. Results of the GMS start-up testing were documented in a *GMS Start-up Testing Report* that was included as Appendix O to the RACR (The Planning Center/DC&E, 2012a). In providing its conditional approval for the RACR, the DTSC certified that the Site was safe for occupancy and the school officially opened on August 14, 2012.

1.2 OPERATIONS & MAINTENANCE PLAN

A *Post-Remediation Operation and Maintenance Plan* (O&M Plan) was prepared to guide routine inspection and monitoring of the GMS following school construction (The Planning Center/DC&E, 2012c). The O&M Plan provides specific information regarding the construction, operation and maintenance of the GMS. It also includes comprehensive protocols and template forms for routine inspection, monitoring and testing of the GMS, as well as a *Contingency Plan* for response actions that are to be taken in the event that methane or hydrogen sulfide is detected at concentrations above established action levels. Based on findings provided in the five-year review (included in Second Half 2018 GMS Inspection Report), the O&M Plan for the monitoring and maintenance program was updated in September 2019. Final revisions to the monitoring program outlined in the Updated O&M Plan (CSC, 2019c) were incorporated in March 2021.

As noted above, full implementation of the Updated O&M Plan has been delayed pending the GMS deactivation. Although approved by the DTSC on April 12, 2021, continuous automated GMS operation is still in place pending approval by the school principal for deactivation. However, certain elements of the Updated O&M Plan were being implemented including:

- The frequency of soil gas probe monitoring has been reduced to biennially. However, all of the soil probes were either plugged or had water during events in 2024 and 2025. New soil probes were installed and monitored in February 2025 (discussed section 4.3.6).

- Reporting has been reduced to an annual frequency; this report presents quarterly inspection and semi-annual monitoring data from 2024. Inspection and monitoring remain on a quarterly and semi-annual frequency until the GMS is deactivated.

1.3 O&M MANUAL

An *Operation and Maintenance Manual* (O&M Manual) was prepared for use by District personnel and other individuals who may be called upon to maintain or repair the GMS (The planning Center/DC&E, 2012c). The O&M Manual provides detailed information regarding the GMS components and function, including as-built construction drawings and manufacturer cut sheets. It also contains alarm response procedures, a contingency plan, training program records, and incident reports. The O&M Manual was

updated in 2020 (report dated March 17, 2021) and maintained by the LAUSD Office of Environmental Health and Safety (OEHS); a copy is available in the school Principal's office.

1.4 O&M AGREEMENT

Regulatory oversight for environmental investigation and remediation of the new school Site, and post-remediation O&M of the GMS, is being provided by the DTSC. On February 25, 2013, the LAUSD entered into an *Operation and Maintenance Agreement* (Docket No. HSA-O&MEA 12/13-061) with the DTSC that governs the performance of all GMS O&M activities at the Site. Provisions of the O&M Agreement that are applicable to the routine GMS inspection and monitoring events are summarized below:

- Implementation of Operation and Maintenance Plans - The LAUSD shall fully implement the DTSC-approved O&M Plan, dated June 26, 2012 and subsequently updated in September 2019 (see Section 1.2). The O&M Plan was fully and properly implemented during this O&M event.
- Quality Control/Quality Assurance (QC/QA) - All sampling and analysis conducted pursuant to the O&M Agreement shall be performed in accordance with the QC/QA procedures submitted to, and approved by, the DTSC. A description of the QC/QA activities conducted during this O&M event is provided in Section 4.4. The activities are consistent with the requirements of the approved O&M Plan and previous sampling and analysis conducted at the Site.
- Endangerment During Implementation - The LAUSD shall notify the DTSC's Project Manager immediately upon learning of any condition that may pose an immediate threat to public health or safety or the environment. Within seven days following such notification, a report shall be provided to the DTSC setting forth the conditions and events that occurred and the measures taken in response. No conditions that pose an immediate threat to public health, safety, or the environment were identified during this O&M event.
- Sampling, Data and Document Availability - For all final reports, the LAUSD shall submit one hard (paper) copy and one electronic copy with all applicable signatures and certification stamps as a text-readable Portable Document Formatted (pdf) file or Microsoft Word formatted file. This report has been submitted to the DTSC in the requested numbers and format.
- Notification of Field Activities - The LAUSD shall inform the DTSC at least seven days in advance of all field activities.
- LAUSD Consultant and Contractor -All work performed pursuant to the O&M Agreement shall be under the direction and supervision of a professional engineer or professional geologist, licensed in California, with expertise in hazardous substances site cleanup. The 2023 annual O&M event was conducted and reported by Clark Seif Clark, Inc. ("CSC"). All work was performed under the direction and supervision of Mr. Jeffrey Bannon, a professional geologist licensed in California, as indicated in the signed and stamped Certification included at the beginning of this report.
- DTSC Review and Approval - All work performed pursuant to the O&M Agreement is subject to DTSC's review and approval. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to the LAUSD in writing by DTSC's Branch Chief or his/her designee. The DTSC has reviewed and approved all previously submitted O&M reports. O&M program changes approved to date are discussed in Section 1.7.

1.5 O&M OBJECTIVES

The overall goal of the GMS O&M program is to ensure that students, faculty, staff, and individuals who visit Playa Vista Elementary School are not exposed to unsafe concentrations of methane, hydrogen sulfide, and/or VOCs that may be present beneath the Site. To accomplish this goal, various components of the GMS are routinely inspected, tested, and monitored, including building interiors, outdoor areas, vent risers, gas detection/alarm systems, air injection blowers, building ventilation systems, and soil gas probes. The detection of hazardous gases at concentrations above site-specific action levels ("SSALs"), or the observation of damaged or improperly functioning GMS components will trigger the implementation of defined contingency responses, technical evaluations, and/or corrective actions under oversight of the LAUSD OEHS and the DTSC.

1.6 SCOPE OF WORK

Activities performed during 2024 included the following:

- Quarterly inspection of all visible components of the GMS, including vent risers, air injection blowers, gas sensor panels, display panels, and signage for defects, damage, or obstructions;
- Quarterly inspection of building interiors, outdoor areas, and ongoing school activities for evidence that the GMS may have been damaged or compromised, such as large cracks in building floor slabs, excessive irrigation, ongoing construction, or excavation work;
- Quarterly inspection of soil gas probe surface completion vaults for damage or water infiltration;
- Quarterly inspection of gas monitoring probe condensate traps and a vent riser dry sump and removal of any accumulated water;
- Semi-annual calibration of gas sensors and confirming the operation and function of the gas sensors, alarms, display panels, auto dialer, and building ventilation system interlocks through a series of GMS functional tests;
- Quarterly downloading and reviewing of GMS alarm and gas trend histories for the semiannual monitoring period;
- Semi-annual testing the operability and function (e.g., pressure and flow) of the air injection blowers for the air sweep systems under manual operation and in response to various alarm scenarios;
- Semi-annual monitoring of slab-on-grade ground floors of the school buildings for methane and hydrogen sulfide gas concentrations
- Semi-annual monitoring of outdoor areas for methane and hydrogen sulfide gas concentrations;
- Semi-annual monitoring of building and hardscape area vent risers for methane concentrations, hydrogen sulfide concentrations, air flow, and/or temperature with and without the air injection blowers running;
- Semi-annual monitoring of two building sub-slab gas sensor probes for VOCs.
- Vent connectivity testing on passive vents was conducted in July 2021 and planned for every five years or if blockages are observed.

- Responding, as appropriate, should the measured gas concentrations exceed established action levels or in the event of other mitigation system-related (or potentially related) incidents.

1.7 APPROVED MODIFICATIONS TO THE O&M PROGRAM

The DTSC-approved O&M Plan (The Planning Center/DC&E, 2012b) allows for periodic evaluations of monitoring and inspection activities to determine if modifications are warranted. The following changes have been made to the O&M program since its inception:

- Alarm Reprogramming - On December 10, 2013, the DTSC approved an energy-conservation measure to reprogram the GMS gas detection system so that enhanced ventilation of ground floor rooms is activated only in response to a high-level gas alarm, rather than in response to both high- and low-level alarms. The savings associated with the programming change are minor and do not justify a special trip but will be done if and when other programming changes are implemented by the GMS detection/alarm system manufacturer, General Monitors.

- SCAQMD Change in Monitoring Frequency - The South Coast Air Quality Management District (SCAQMD) converted the Permit to Construct (PTC) the three GMS air injection blowers to a Permit to Operate (PTO) on May 22, 2013. The PTO made several changes related to vent riser air emissions monitoring that were implemented beginning with the Fourth Quarter 2013 monitoring event.

  Of particular importance was the change in emissions monitoring frequency from quarterly to annually. SCAQMD monitoring is performed and reported along with the O&M events conducted during the fourth quarter of each calendar year.

- Transfer of Groundwater Monitoring Oversight Responsibility to LARWQCB - Groundwater samples were collected from eight on-site monitoring wells during an initial round of sampling and four quarterly monitoring events between May 2012 and May 2013. Based on a review of the data collected during that time, the LAUSD recommended that responsibility for future groundwater monitoring at the Site be assumed by others under the Los Angeles Regional Water Quality Control Board's (RWCQB's) "Playa Vista Property" groundwater monitoring program (Case No. SL2043W1573). The DTSC concurred with this recommendation in its approval letter for the Second Quarter 2013 O&M report, dated October 1, 2013, at which point groundwater monitoring at the Site was discontinued. The DTSC transmitted a letter to the RWQCB on December 4, 2013, followed by an e-mail on March 28, 2014, requesting assistance to address the long-term remediation of contaminated groundwater beneath the Site. A work plan dated May 30, 2014, for remediation of the offsite subsurface impacts to the north of the school was approved by the RWQCB on December 19, 2014 and is being implemented by the Playa Capital Company, LLC. The remediation system consists of one offsite groundwater extraction well and a conveyance pipeline to an existing groundwater treatment system, which is currently being used to treat groundwater extracted from other parts of Playa Vista. Trenches are currently being excavated along West Bluff Creek Drive to install the piping for this part of the system.

- Initiation of Sub-Slab Sampling for VOCs - The presence of water and/or high vacuums in soil gas probes SV-6 and SV-7 prevented the collection of soil gas samples for VOC analysis beginning with the Second Quarter 2012 O&M event. The LAUSD recommended that sampling of the probes be discontinued starting with the First Quarter 2014 O&M event. The DTSC concurred with this recommendation in an e-mail dated December 10, 2013 but suggested that samples be periodically collected from sub-slab sensor probes and analyzed for VOCs in lieu of soil gas

monitoring. The LAUSD implemented the recommended sub-slab sampling starting with the Fourth Quarter 2013 monitoring period and proposed to continue doing so on a quarterly basis for a period of one year or until the data confirm that a problem does not exist. The DTSC concurred with this recommendation in an e-mail dated February 24, 2014, which it formalized in its approval of the Fourth Quarter 2013 O&M report (DTSC, 2014).

- Reduction in Frequency of Gas Detection Sensor Calibration - At the suggestion of the DTSC and consistent with GMS O&M programs at other school sites, the LAUSD recommended that calibration of the gas detection sensors and related performance of detection/alarm system functional tests be reduced in frequency from once every quarter to once every six months (semi-annually), beginning with the First Quarter 2014 O&M event. The relatively clean service of the sub-slab gas detection probes warrants a less frequent calibration than the quarterly frequency used as a basis for the third-party approvals of the sensors. The sensors' transmitters are provided with self-diagnosing electronics that will automatically identify and alert the operator of critical faults; however, periodic calibration is still needed to correct for sensor drift. The ongoing performance of the GMS detection/alarm system, including the need for sensor calibration, will continue to be assessed through the quarterly download and assessment of alarm and gas trend histories from the HMI. The DTSC concurred with this recommendation in an e-mail dated February 24, 2014, which it formalized in its approval of the Fourth Quarter 2013 O&M report (DTSC, 2014).

The following modifications to the GMS O&M procedures and monitoring program were outlined in a Technical Memorandum (CSC, 2019b), which was approved by the DTSC in a letter dated December 9, 2019.

- Deactivation of the continuous sub-slab gas detection and alarm system (pending approval from school principal and notifying school community).
- Because soil gas data is of limited use in evaluating the presence of methane and/or hydrogen sulfide in vents and ambient air, continued monitoring of the five dual-nested soil vapor probes (SV-1 through SV-5) was conducted biennially.
- Because the on-site weather station has not been operating consistently and the necessary weather information is readily available using online data from nearby weather stations, the weather station is no longer in use.
- O&M activities will be conducted on an annual basis when the GMS is deactivated.

2. SITE DESCRIPTION AND BACKGROUND

2.1 SITE DESCRIPTION

Playa Vista Elementary School opened in August 2012, providing 650 two-semester seats in 26 classrooms for kindergarten to fifth grade on a traditional single-track, two-semester calendar. The school occupies a 4.08acre parcel of land (Los Angeles County Tax Assessor Parcel Number 4211-013-900) that is bounded by West Bluff Creek Drive to the north, Ballona Discovery Park to the east, a sports park (including the John H. Henschel Soccer Field) and Lincoln Boulevard to the west, and a flood control/riparian corridor to the south-southeast (Figure 2). Prior to development as an elementary school, the Site was an undeveloped lot covered by several feet of fill soil. The school is located in a Methane Zone, as designated by the City of Los Angeles.

2.2 GMS DESCRIPTION

The elementary school campus contains four primary buildings: An Administration Building (with separate elevator tower), a Multipurpose Room (MPR)/Food Service Building, and two Classroom Buildings. In general, the GMS for the buildings includes gas barriers (*i.e.,* impervious membranes), sub-slab venting systems (including a gravel layer with embedded vent pipes), air sweep systems connected to the sub-slab venting systems, and a gas detection/alarm system connected to the Energy Management System (EMS) for enhanced ventilation and air sweep response. The purpose of these mitigation features is to reduce the potential for methane and/or hydrogen sulfide gas to accumulate beneath or within the buildings. Additional GMS features include passive venting for hardscape areas and subsurface vaults, subsurface deep vent wells for methane pressure relief, and soil gas probes for routine subsurface monitoring.

2.3 PREVIOUS SITE INVESTIGATIONS AND REMEDIATION

Prior environmental investigations and remedial actions conducted for the Site are described in the following reports.

2.3.1 SITE INVESTIGATIONS

- *Preliminary Endangerment Assessment* (PEA), CDM, July 18, 2007
- *Phase I Environmental Site Assessment* (ESA), Parsons, February 2008 [revised]. Approved by the DTSC on February 15, 2008
- *Final Supplemental Site Investigation* (SSI) Report, Parsons, February 2009 [revised]. Approved by the DTSC on February 17, 2009.

2.3.2 REMEDIAL ACTIONS

- *Remedial Action Plan* (RAP), URS, June 24, 2009 [revised]. Approved by the DTSC on December 31, 2009
- *Remedial Design Document* (RDD), URS, July 28, 2010 [revised]. Approved by the DTSC on August 3, 2010
- *Remedial Action Completion Report* (RACR), The Planning Center, July 7, 2010 [revised]. Approved by the DTSC on August 18, 2010

- *RACR – Final Remedial Action Plan Implementation Including Gas Mitigation System*, The Planning Center|DC&E, June 20, 2012 [revised]. Approved by the DTSC on June 29, 2012.

2.3.3 POST-REMEDIATION O&M

- *Gas Mitigation System Start-up Testing Report for Central Region Elementary School #22*, The Planning Center/DC&E, June 20, 2012 [revised]. Appendix O of the Final RACR. Approved by the DTSC on June 29, 2012
- *Post Remediation Operation and Maintenance Plan, Central Region Elementary School #22*, The Planning Center/DC&E, June 26, 2012 [revised]. Approved by the DTSC on July 3, 2012
- *Methane Mitigation Operation and Maintenance Manual, Playa Vista Elementary School*, The Planning Center/DC&E, July 2012
- *Operation & Maintenance Reports (First Six Months), LAUSD Playa Vista Elementary School*, The Planning Center/DC&E, July to December 2012. Approved by the DTSC on January 21, 2013
- *Operation & Maintenance Report – First Quarter 2013*, LAUSD Playa Vista Elementary School, The Planning Center/DC&E. February 19, 2013. Approved by the DTSC on March 21, 2013
- *Operation & Maintenance Report – Second Quarter 2013*, LAUSD Playa Vista Elementary School, The Planning Center/DC&E. July 16, 2013. Approved by the DTSC on October 1, 2013
- *Operation & Maintenance Report – Third Quarter 2013*, LAUSD Playa Vista Elementary School, The Planning Center/DC&E. October 9, 2013. Approved by the DTSC on April 1, 2014
- *Operation & Maintenance Report – Fourth Quarter 2013*, LAUSD Playa Vista Elementary School, The Planning Center/DC&E. January 28, 2014. Approved by the DTSC on April 1, 2014.
- *Operation & Maintenance Report – First Quarter 2014*, LAUSD Playa Vista Elementary School, PlaceWorks. April 15, 2014. Approved by the DTSC on April 23, 2014.
- *Operation & Maintenance Report – Second Quarter 2014*, LAUSD Playa Vista Elementary School, PlaceWorks. July 24, 2014. Approved by the DTSC on June 17, 2015.
- *Operation & Maintenance Report – Third Quarter 2014*, LAUSD Playa Vista Elementary School, PlaceWorks. October 27, 2014. Approved by the DTSC on June 17, 2015.
- *Operation & Maintenance Report –Fourth Quarter 2014*, LAUSD Playa Vista Elementary School, PlaceWorks. January 29, 2015. Approved by the DTSC on June 17, 2015.
- *Playa Vista Elementary School – 1st Quarter 2015 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. May 14, 2015. Approved by the DTSC on June 17, 2015 in an email to Jeff Otter at LAUSD.
- *Playa Vista Elementary School – First Half 2015 Gas Mitigation System Inspection Report*, CSC. August 31, 2015. Approved by the DTSC on November 6, 2015.
- *Playa Vista Elementary School – 3rd Quarter 2015 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. October 28, 2015. Approved by the DTSC on November 6, 2015 in a letter to LAUSD.

- *Playa Vista Elementary School – 1st Quarter 2016 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. May 4, 2016. Approved by the DTSC on May 9, 2016 in a letter to LAUSD.
- *Playa Vista Elementary School – 2nd Quarter 2016 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. August 15, 2016. Approved by the DTSC on September 30, 2016 in a letter to LAUSD.
- *Playa Vista Elementary School – 3rd Quarter 2016 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. November 17, 2016. Approved by the DTSC on December 28, 2016 in an email to LAUSD.
- *Playa Vista Elementary School – 4th Quarter 2016 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. January 2017. Approved by the DTSC on February 27, 2017 in a letter to LAUSD.
- *Playa Vista Elementary School – 1st Quarter 2017 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. April 19, 2017. Approved by the DTSC on May 11, 2017 in an email to LAUSD.
- *Playa Vista Elementary School – 1st Half 2017 Gas Mitigation System Inspection and Monitoring Report*, Email from LAUSD-OEHS to DTSC. August 2017. Approved by the DTSC on October 27, 2017 in a letter to LAUSD.
- *Playa Vista Elementary School – 3rd Quarter 2017 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. October 19, 2017. Approved by the DTSC on January 9, 2018 in a letter to LAUSD.
- *Playa Vista Elementary School – 2nd Half 2017 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. January 2018. Approved by the DTSC on April 20, 2018 in a letter to LAUSD.
- *Playa Vista Elementary School – 1st Quarter 2018 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. April 23, 2018. Approved by the DTSC on July 2, 2018 in a letter to LAUSD.
- *Playa Vista Elementary School – 1st Half 2018 Gas Mitigation System Operation and Maintenance Report*, CSC. July 2018. Approved by the DTSC on September 7, 2018.
- *Playa Vista Elementary School – 3rd Quarter 2018 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. November 30, 2018. Approved by the DTSC on January 7, 2019.
- *Playa Vista Elementary School – 2nd Half 2018 Gas Mitigation System Inspection Report with Five-Year Review*, Email from LAUSD-OEHS to DTSC. March 2019. Approved by the DTSC on April 24, 2019 in a letter to LAUSD.
- *Playa Vista Elementary School – 1st Quarter 2019 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. April 15, 2019. Approved by the DTSC on May 16, 2019 in a letter to LAUSD.
- *Playa Vista Elementary School – 1st Half 2019 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. September 2019. Approved by the DTSC on December 11, 2019 in a letter to LAUSD.

- *Technical Memorandum – Summary of Updated Operation and Maintenance Plan*, Email from LAUSD-OEHS to DTSC. September 17, 2019. Approved by the DTSC on December 9, 2019 in a letter to LAUSD
- *Playa Vista Elementary School – 2nd Half 2019 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. February 2020. Approved by the DTSC on June 19, 2020 in a letter to LAUSD.
- *Playa Vista Elementary School – 1st Half 2020 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. November 2020. Approved by the DTSC on March 15, 2021 in a letter to LAUSD.
- *Updated Methane Mitigation Operation and Maintenance Manual, Playa Vista Elementary School*, March 17, 2021. Approved by the DTSC on April 12, 2021 in a letter to LAUSD.
- *Playa Vista Elementary School – 2nd Half 2020 Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. March 2021. Approved by the DTSC on April 23, 2021 in a letter to LAUSD.
- *Playa Vista Elementary School – 2021 Annual Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. February 2022. Approved by the DTSC on March 16, 2022 in a letter to LAUSD.
- *Playa Vista Elementary School – 2022 Annual Gas Mitigation System Inspection Report*, Email from LAUSD-OEHS to DTSC. February 2023. Approved by the DTSC on March 23, 2023 in a letter to LAUSD.
- *Playa Vista Elementary School – 2023 Annual Gas Mitigation System Inspection and Five Year Review Report*, Email from LAUSD-OEHS to DTSC. February 2024. Approved by the DTSC on March 27, 2024 in a letter to LAUSD.

The PEA (CDM, 2007) was conducted for the Site (Lot 6) and nearby off-site locations (Lots 5 and 7) on behalf of Playa Capital Company. The PEA included soil, soil vapor, groundwater, and ambient air sampling conducted during multiple sampling events between 2002 and 2007. Shallow soil gas samples were collected from 40 locations on and near the Site and methane was detected at concentrations up to 93,000 parts per million by volume (ppmv), prompting the authors of the PEA Report to observe that methane mitigation measures would be required for the new school to limit or eliminate the intrusion of methane and any other hazardous vapors to the indoor environment. The PEA Report also indicated that further action in the form of an SSI was required, because sample data for the fill material at the Site were not comprehensive and other data were more than two years old.

In response to the recommendations of the PEA and a subsequent Phase I ESA (Parsons, 2008), an SSI was conducted to further characterize soil, soil gas, and groundwater at the Site (Parsons, 2009). Soil gas samples were collected at 45 locations from depths between 5 and 15 feet below ground surface (bgs) and analyzed for VOCs, methane, hydrogen sulfide, aliphatic hydrocarbons, and fixed gases. Methane was detected at the Site at concentrations up to 560,000 ppmv, and at nearby off-site locations at concentrations up to 650,000 ppmv. The SSI Report concluded that the methane had both biogenic and thermogenic origins. Initial pressure measurements in four soil gas probes (three along the northwestern Site boundary and one off-site to the north) exceeded atmospheric gauge; however, subsequent pressure measurements were normal in three of the probes.

The PEA and SSI field data allowed the LAUSD to develop a RAP for the Site (URS, 2009). Three remedial options were identified for detailed evaluation. Alternative 3, which involved the excavation and off-site disposal of soil impacted with total petroleum hydrocarbons (TPH) and soil gas impacted with vinyl chloride, along with the installation of a subsurface gas mitigation system, was selected as the preferred remedy for the Site. After DTSC approval, the soil removal portion of the RAP was implemented between February 8 and May 5, 2010, resulting in the removal and off-site disposal of approximately 3,818 cubic yards of impacted soil. The soil removal activities were documented in the first RACR (The Planning Center, 2010).

The GMS portion of the remedial action was generally described in the RAP, while detailed specifications, design drawings, and performance standards were provided in a separate RDD (URS, 2010). The GMS was designed to include a combination of focused institutional controls, containment features, and mitigation measures to minimize the possibility for exposure to unsafe levels of methane that had been detected beneath the Site.

A demonstrable level of conservatism and redundancy was built into the design to provide a high level of protection for future occupants of the Site. Details regarding the as-built GMS are provided in the final RACR (The Planning Center/DC&E, 2012a).

2.4 SITE-SPECIFIC ACTION LEVELS

Site-specific action levels (SSALs) have been established to monitor and ensure the successful performance of the GMS, as described on the following page.

- Methane – An SSAL of 2% of the lower explosive limit (LEL), or 1,000 ppmv, has been established for the vent risers, which reflect the conditions beneath hardscape areas and building floor slabs. An SSAL of 1% of the LEL, or 500 ppmv, has been established for ambient indoor and outdoor airspaces, where methane can pose a fire risk if it were to accumulate to the LEL. These SSALs are significantly lower than those established by local governments for activating or implementing methane measures and, thus, are protective of human health and safety. SSALs for methane are summarized in Table 1.
- Hydrogen Sulfide – An SSAL of ≥5 ppmv has been established for the vent risers, which reflect the subsurface conditions beneath hardscape areas and building floor slabs. An SSAL of ≥0.1 ppmv has been established for ambient outdoor areas. An SSAL of ≥0.01 ppmv has been established for ambient indoor airspaces, which is the level at which recognizable odors can be expected. SSALs for hydrogen sulfide are summarized in Table 1.
- VOCs – Monitoring for VOCs is currently conducted at the two sub-slab gas sensor probes installed beneath the Administration Building. As explained in Section 1.7, monitoring of the gas sensor probes was initiated during the Fourth Quarter 2013 O&M event to compensate for the loss of two soil gas probe locations (SV-6 and SV-7) along the northwest side of the Site, where the highest concentrations of VOC-impacted soil and groundwater were previously detected. California Human Health Screening Levels (CHHSLs) for the protection of indoor air quality are used as screening level SSALs to assess VOC concentrations beneath building sub-slabs (CalEPA, 2005).

If methane or hydrogen sulfide SSALs established for indoor building airspaces or outdoor areas are exceeded, any non-involved individuals who are present in or near the affected area will be evacuated immediately. Ventilation to reduce gas concentrations will be initiated and appropriate controls will be set up to prevent access until the area has been cleared for reentry.

In such an event, or if SSALs are exceeded during monitoring of the vent risers or gas sensor probes, an engineering evaluation will be conducted to determine if any additional response measures are warranted. The engineering evaluation likely will include additional monitoring of soil gas probes, vent risers, and/or gas sensor probes, in consultation with the DTSC. Any time SSALs established for indoor building airspaces, outdoor areas, or vent risers are exceeded, the DTSC and LAUSD-OEHS will be immediately notified and a description of the exceedance and response actions taken will be documented in the next O&M Report submitted to DTSC.

3. INSPECTION ACTIVITIES AND RESULTS

The following components of the GMS were inspected, tested, and maintained during the 2024 O&M events:

- Vent risers (Inspection Form 1)
- Buildings and outdoor areas (Inspection Form 2)
- Soil gas probe completion vaults (Inspection Form 3)
- Meteorological station (Inspection Form 4 - discontinued)
- GMS labels and placards (Inspection Form 5)
- Gas detection/alarm system (Inspection Form 6)
- Air injection blowers (Inspection Form 7)
- Condensate traps and dry sump (Inspection Form 8)
- Non-occupied room ventilation (Inspection Form 9).

Results of inspection and testing completed on March 28, June 20, 27, and 28, September 27, 2024 and January 2, 3, and 7, 2025 are summarized in the following sections. Copies of the completed Inspection Forms and other field reports generated during the current monitoring period are provided in Appendix B. Future inspection activities are proposed annually as outlined in the Updated O&M Plan, approved by the DTSC on April 12, 2021 once the GMS is deactivated. However during periods when the gas detection and alarm system is operating, inspection of the sampling pump performance and downloading of the system alarm history will be conducted quarterly and functional testing and calibration of the gas detection and alarm system will be conducted semiannually. The GMS was operational during the 2024 period.

3.1 VENT RISERS

Vent riser locations are shown on Figure 3. Vent risers, sampling ports, wall access boxes, and rain caps were inspected for cracks, corrosion, and any damage that could impact the operation or monitoring of the GMS venting systems. Vent riser terminuses were inspected for any observed conditions that could obstruct air flow from the piping.

All of the vent risers were in good condition and to have adequate air flow velocity in passive mode. Vent riser monitoring ports at VL-6 and VL-8 were clogged during the June 2024 inspection, but cleared.

3.2 BUILDINGS AND OUTDOOR AREAS

Building floors were inspected for significant cracks or damage, and outdoor areas were inspected for evidence of significant cracks (i.e., greater than ¼ inch wide and 6 inches long), distressed vegetation, excessive irrigation, or ongoing construction activities that might impact the passive venting systems. No problems, issues, or concerns were noted.

3.3 SOIL GAS PROBE AND GROUNDWATER MONITORING WELL VAULTS

Seven nested soil gas probes (SV-1 to SV-7) and eight groundwater monitoring wells (MW-GW-1 to -4 and MW-BA-1 to -4) were installed following school construction for routine monitoring at the Site, as shown on Figure 3. As explained in Section 1.7, use of soil gas probes SV-6 and SV-7 for VOC monitoring was discontinued and responsibility for groundwater monitoring was transferred to the RWQCB beginning with the Fourth Quarter 2013 O&M event. As a result, soil gas probes SV-1 to SV-5 are the only remaining monitoring points subject to routine inspection.

The soil gas probes were inspected in June 2024 and appear in good condition with the exception of SV1-5 which was broken in June 2024 during monitoring. Some water was removed from SV-3 in June 2024 in an attempt to retrieve a sample. Since all the soil gas probes are either filled with water or plugged, new soil gas probes were installed in well boxes adjacent to SV1 to SV5 in February 2025 at depth of 3 feet bgs. Monitoring data from these probes is discussed below in section 4.6.3.2.

3.4 METEOROLOGICAL STATION

The on-site meteorological station was not inspected and is no longer in use. Similar to previous monitoring events, the meteorological data was downloaded from a nearby weather station for the monitoring events.

3.5 LABELS AND PLACARDS

The conditions of GMS labels and placards installed on the outsides of buildings and within hardscape areas (see Figure 4) were inspected to confirm their presence and to check for any damage or obstructions that might affect their legibility. Identification labels that are affixed to gas sensor probes, lines in the outdoor condensate traps, and various components of the GMS simplex and duplex sampling panels were similarly inspected. All of the labels and placards were observed to be legible and in good condition. The placards located near the plant manager's office and near main the entrance that were faded from the sun and no longer legible were replaced on August 16, 2024.

3.6 GAS DETECTION/ALARM SYSTEM

The gas detection/alarm system was checked for proper function and display. Initial checks were made during inspection activities to confirm that the system was not currently in alarm and that active alarm/equipment fault messages were not displayed on the control panels. Indicator lights, screen displays, and message boards on the programmable logic controller (PLC) and human machine interface (HMI) were checked for any indication of abnormal operations.

Readings from the sub-slab sensors (methane and hydrogen sulfide concentrations), sample pumps (vacuums), and rotameters (sample air flow) were collected and recorded on an inspection form. Operations of the solenoid valves were observed to confirm that the sensor probes were being variably sampled at prescribed intervals. Visible alarms *(i.e.,* strobe lights) were manually activated and confirmed to be operational.

On June 20, 2024 and January 3, 2025, a comprehensive test of the gas detection alarm/system was conducted to confirm the proper sequence of operations, displays, and alarms in response to low-level and high-level methane and hydrogen sulfide concentrations, gas sensor faults, sample pump failures, power failures, and communication failures. Alarms are discussed further in sections 5.2 to 5.3.

Details and results of the various inspection activities associated with the gas detection/alarm system are summarized below:

- Prior to activating the air injection blowers for other tasks, sub-slab concentrations of methane and hydrogen were recorded from the simplex and duplex sensor displays and PLC panels. All hydrogen sulfide concentrations registered 0 ppm. Methane concentrations registered 0-1% LEL. (Note: a methane concentration of 1% LEL at the PLC does not necessarily reflect actual methane concentrations beneath the building but is considered to be within the instrument's "noise level" by the manufacturer.) The sample pumps and sensors operate continuously without interruption.
- Pump vacuums, measured from pump intake using a Magnehelic® gauge, are summarized in the following table:

Sample Pump Vacuums			
Pump ID	Vacuum (in. Hg)		
	Baseline	2nd Quarter 6/20/24	4th Quarter 1/3/25
M2-1	23	4-5	22
M3-1	23	25	24
M3-2	23	5-5	24
in. Hg = inches mercury			

- Sample pump air flows as measured from rotameters inside the duplex panel were within the ranges shown in the following table:

Sample Pump Air Flows			
Pump ID	Flow Rate (CFH)		
	Baseline	2nd Quarter 6/20/24	4th Quarter 1/3/25
M2-1	120	50	200
M3-1	190	180	190
M3-2	160	50	200
CFH = cubic feet per hour			

Sample pump M3-1 was replaced on June 20, 2024 and sample pumps M2-1 and M3-2 were replaced on January 3, 2025. The new pumps are operating with adequate flows and vacuums at or above baseline measurements.

- Solenoid valves were checked to ensure that they switched between/among the sensor probes at three-minute intervals as programmed. The valves were also assessed to confirm that they opened and closed in the proper sequence which switching between sensors so that the sample pumps do not dead head *(i.e.,* operate against closed valves). Solenoid valves were functioning as programmed.
- Air filters and water traps inside the simplex and duplex gas sensor panels were checked for the accumulation of water or debris. No accumulated water or debris had collected in the air filters or condensate traps during the inspections.
- Proper functioning of the strobe lights next to the PLC paned and outside the GMS Equipment Room were manually tested and confirmed to be operational by turning the key switch on the front of the

PLC panel to the "On" position and observing alarm responses during functional testing. No problems were noted.

- The three blowers were manually activated for the vent riser monitoring and their operational status was confirmed on the PLC display. Blower run times before and after monitoring were collected from the totalizers on the blower panel. Blower times for 2024 O&M period are summarized below.

Blower Run Times				
Blower ID	End of 2023 Monitoring 1/5/24	First Half 2024 Monitoring 6/28/24	After Second Half 2024 Monitoring 1/3/25	2024 Total Run Time (hours)
IB-1	984	1000	1017	33
IB-2	9126	9150	9157	31
IB-3	2014	2029	2045	31

Blowers IB-1, IB-2, and IB-3 were operated for approximately 33, 31, and 31 hours in 2024. The blowers operated for a minimum of 30 minutes during active mode monitoring in events in 2024.

- The GMS alarm history could not be downloaded from the Human Machine Interface (HMI). However, the alarm history was retrieved and reviewed quarterly from the Panel View. A copy of the alarm history for the period January 1, 2024 through January 7, 2025 was copied from the panel and is provided in Appendix C; an evaluation of the data is presented in Section 5.2.

- The GMS gas trend history record since the previous O&M event was reviewed from the Panel View. The GMS gas trend history record from January 1, 2024 through January 7, 2025 indicates that the methane and hydrogen sulfide concentrations were in the "non-detect" range for all methane and hydrogen sulfide sensors. The gas trend history and proper functioning of all system components during restarting and testing of the gas detection/alarm system confirms that hazardous gases are not accumulating beneath the school buildings at measurable concentrations.

3.7 AIR INJECTION BLOWERS

The three air injection blowers associated with the air sweep systems (IB-1, IB-2, and IB-3; see Figure 4) were inspected and tested for operability, uniform pressure, continuous air flow, and communication with the PLC. The blower pad and control panel were also inspected for signs of damage or improper function. The operational status of the blowers was confirmed on the PLC and local blower control panel under the various conditions tested. No problems were noted.

During the "active" phase of vent riser monitoring, blowers IB-1, IB-2, and IB-3 were manually activated and operated for approximately 30 minutes each. Air flow and pressure measurements collected from in-line gauges during these periods of operation are compared to baseline and previous conditions in the following table.

		Injection Blower Air Flows and Pressures						
	Air Flow (cfm)				Pressure (psig)			
Blower ID	Baseline	Range for Previous Measurements	2nd Quarter 6/28/2024	4th Quarter 1/3/2025	Baseline	Range for Previous Measurements	2nd Quarter 6/28/2024	4th Quarter 1/3/2025
IB-1	110-130	70 - 105	100	100	2.2 – 4.5	2.0 – 3.2	3.0	3.0
IB-2	100-130	120 - 140	125	100	2.3 – 3.5	2.3 -3.5	3.0	3.25
IB-3	110-120	40 - 125	120	125	1.3 - 3.5	1.3 -3.5	3.0	3.25
		cfm = cubic feet per minute psig = pounds per square inch gauge						

Air flow and air pressure readings at blowers were similar to measurements collected during previous monitoring events and appear to be acceptable with respect to design standards and system operating requirements.

3.8 CONDENSATE TRAPS AND DRY SUMP

Two sensor probe pipe condensate trap systems are located outdoors, one immediately south of the Elevator Building and the second north of the MPR/Food Service Building. Additionally, a dry sump for vent riser VA-1 was constructed between the vent riser and the library portion of the Administration Building. Condensate trap and dry sump locations are shown on Figure 3. The condensate traps and dry sump were inspected for the presence of accumulated water and debris. All of the condensate traps were dry during the inspections.

Sump VA-1 had a plug installed on December 21, 2017 to block water potentially entering the sump from the surrounding soil. Water had historically accumulated in sump VA-1 either from the gravel bed beneath the building or from irrigation water seeping into the soil around the sump. The plug was not removed during the inspections and no water had accumulated above the plug.

3.9 BUILDING VENTILATION SYSTEMS

Door ventilation louvers for four unoccupied rooms (*i.e.,* 1-108, 1-109, 1-153A, and 2-106A) were checked to ensure that they were not obstructed or damaged. No problems were noted.

No issues with the buildings' heating, ventilation, and air conditioning (HVAC) systems for function and performance were reported during 2024.

4. MONITORING ACTIVITIES AND RESULTS

4.1 MONITORING ACTIVITIES

Monitoring requirements for the GMS summarized in Table 2 have been completed in the second and fourth quarters. The first and third quarter events have consisted of inspections. This annual report includes monitoring and inspection results for 2024. Future monitoring and inspections activities will be conducted annually as outlined in the Updated O&M Plan when the GMS is deactivated.

Monitoring during the 2024 Second and Fourth Quarters consisted of the following activities:

- Meteorological monitoring (Monitoring Form 1 and various monitoring sheets)
- Background air quality monitoring for methane and hydrogen sulfide (Monitoring Form 1)
- Outdoor airspace monitoring for methane and hydrogen sulfide (Monitoring Form 1)
- Building monitoring for methane and hydrogen sulfide (Monitoring Form 1)
- Vent riser monitoring for methane, hydrogen sulfide, air flow, and temperature in the passive mode (Monitoring Form 2)
- Vent riser monitoring for air flow and temperature in the active mode (Monitoring Form 3)
- Sub-slab monitoring under the Administration Building for VOCs in lieu of soil gas sampling at probes SV-6 and SV-7 (laboratory report).

Monitoring activities for the second and fourth quarter were conducted on June 20, 27 and 28, 2024 and January 2, 3, and 7, 2024. Monitoring data were recorded on field forms, copies of which are provided in Appendix D. Monitoring results are summarized in Tables 3 to 9. Laboratory reports and chain-of-custody records for analysis of sub-slab air and SCAQMD samples are provided in Appendix E.

4.2 FIELD MONITORING EQUIPMENT

Monitoring was conducted using the following hand-held field instruments:

- Thermo Scientific TVA 2020 and Photovac MicroFID® – Flame Ionization Detector – For measuring low-level concentrations (>0.5 ppmv) of methane and VOCs in buildings, outdoor air, and vent risers
- LandTec GEMTM 2000 Gas Analyzer – For measuring methane concentrations in high methane (>500 ppmv)/low oxygen environments, particularly soil gas probes
- Jerome® 631X Analyzer – For measuring low-level concentrations of hydrogen sulfide (>0.003 ppmv) in buildings, outdoor air, and vent risers
- TSI VelociCalc® Plus 9555 Air Velocity Meter – For measuring air flow and temperature in vent risers
- Dwyer Instruments Magnehelic Gauges (0-2, 0-10, and 0-100 in. H_2O ranges) – For collecting pressure measurements from soil gas probes.

These field instruments had detection capabilities suitable for assessing conditions below the minimum SSALs (see Section 2.3).

4.3 MONITORING RESULTS

4.3.1 METEOROLOGICAL MONITORING

Meteorological conditions were periodically assessed throughout monitoring activities and the data were recorded on field forms. During the period of active monitoring, outdoor air temperatures ranged from approximately 70 to 80 degrees Fahrenheit (^{o}F) during June 2024 and 45 to 60 ^{o}F during January 2025. Average wind speeds ranged from 5 to 15 miles per hour (mph) with variable wind directions. The meteorological data for 2024 monitoring period is available on line for nearby weather stations and was referenced during the monitoring.

4.3.2 BACKGROUND AIR QUALITY MONITORING

Background concentrations of methane and hydrogen sulfide in ambient air were collected from the adjacent park southwest of the Site (see Figure 4) prior to monitoring. To collect the background air sample, the field instrument probe was held approximately 4 to 6 feet above the ground surface for a period of approximately 30 seconds. After the instrument had stabilized, the highest methane and hydrogen sulfide concentrations displayed during a 10-second measurement period were recorded on a monitoring form.

Methane in background air during monitoring ranged from not detected (<0.5 ppmv) to a maximum of 2.0 ppmv in June 2024 and to a maximum of 2.5 ppmv January 2024. Hydrogen sulfide was not detected at or above the instrument detection limit of 0.003 ppmv during in June 2024 and to a maximum of 0.005 ppmv January 2024. The monitoring results at other locations were interpreted in context of background air measurements. Historical results for background air monitoring, including the most recent monitoring event, are summarized in Table 3.

4.3.3 OUTDOOR AIRSPACE MONITORING

Twelve outdoor locations (EO-1 to EO-12; see Figure 3) were monitored for methane and hydrogen sulfide using hand-held field instruments. To monitor the outdoor areas, the inlet port of the instrument was held approximately 3 inches above the ground surface for a period of approximately 30 seconds. After the instrument had stabilized, the highest methane and hydrogen sulfide concentrations displayed during a 10-second measurement period were recorded on a monitoring form.

Historical results for outdoor air monitoring, including the most recent monitoring event, are summarized in Table 4. During the 2024 monitoring events, methane was detected at or slightly above the instrument detection limit of 0.5 ppmv in four of the 12 outdoor locations at concentrations from 0.5 to 1.5 ppmv in June 2024 and in five of the 12 outdoor locations at concentrations from 0.5 to 1.0 ppmv in January 2025; other locations were at or below the instrument detection limit of 0.5 ppmv. Hydrogen sulfide was not detected above the instrument's detection limit (0.003 ppmv) in any of the outdoor locations during either monitoring event. The outdoor air monitoring results were below the SSALs of 500 ppmv for methane and 0.1 ppmv for hydrogen sulfide.

4.3.4 BUILDING MONITORING

Nine building indoor locations (BL-1 to BL-7 and modular classrooms 1 and 2; see Figure 3) and the crawl space beneath the two modular classrooms were monitored for methane and hydrogen sulfide using hand-held field instruments. Random rooms, generally those that are relatively small and enclosed, were targeted for monitoring. Different rooms are selected for each monitoring event in order to provide as much coverage of the building indoor areas as possible.

For methane monitoring, the instrument probe was held approximately 7 to 8 feet above ground surface, while the probe was positioned approximately 3 inches above the floor surface for hydrogen sulfide monitoring. Monitoring at each location was conducted for a period of approximately 30 seconds. After the instrument had stabilized, the highest methane and hydrogen sulfide concentrations displayed during a 10-second measurement period were recorded on a monitoring form.

Historical results for building air monitoring, including the most recent monitoring event, are summarized in Table 5. Methane was not detected at or above the instrument detection limit of 0.5 ppmv in any of the indoor building locations during both of the monitoring events. Hydrogen sulfide was not detected above the instrument detection limits of 0.003 ppmv in any of the indoor building locations during both of the monitoring events. The building indoor air monitoring results were below the SSALs of 500 ppmv for methane and 0.01 ppmv for hydrogen sulfide.

4.3.5 VENT RISER MONITORING

A total of 39 vent risers are associated with the hardscape and sub-slab venting systems. Twenty-one (21) of the vent risers (VA-1 to VA-8, VB-1 to VB-3, VC-1 to VC-3, VD-1 to VD-6, and VE-1) are associated with school buildings and the sub-slab air injection systems and, therefore, are referred to as “active” vent risers. The remaining 18 vent risers are associated with hardscape areas (VL-1 to VL-16) and two deep vents wells (VM-1 and VM-2) and, therefore, are referred to as “passive” vent risers. Vent riser monitoring was conducted using dedicated sampling ports installed in the risers, typically at a height of approximately 5 feet above grade. Vent riser locations are shown on Figure 3.

All 39 vent risers were first monitored for methane, hydrogen sulfide, airflow, and temperature in the passive mode (i.e., with the air sweep system inactive). Passive mode monitoring was completed prior to active mode before the air injection blowers are manually started. The 21 vent risers associated with the school buildings were also monitored in the active mode to check the function of the air sweep systems. To monitor the vent risers in the active mode, the air injection blowers were run until sub-slab conditions had equilibrated, at which point measurements of air flow and temperature were collected at the sampling ports.

Hand-held field instruments with appropriate detection limits were used to measure methane and hydrogen sulfide concentrations. Once connected to the vent riser, the instrument was allowed to pump for a minimum period of 30 seconds in order to purge ambient air from the tubing and instrument. After the instrument had stabilized, the maximum methane and hydrogen sulfide concentrations displayed during a 10 second measurement period were recorded on a monitoring form.

Air flow and temperature within the vent risers were measured using a thermal anemometer. To collect these data, the anemometer probe tip was inserted through the sampling port into the approximate center of the vent riser, properly oriented with respect to air flow direction, and the annulus around the probe was tightly sealed. Once the readings had stabilized, air velocity measurements in feet/minute (ft/min) and temperature measurements (^{o}F) were recorded on a monitoring form. Air velocity measurements were subsequently converted to volumetric air flow using the continuity equation:

$$Q = A*V$$

where Q is the flow rate in cubic feet per minute (cfm), A is the cross-sectional area of the 4-inch diameter vent pipe (0.079 square foot) or 6-inch diameter vent pipe (0.18 square foot), and V is the recorded air velocity in feet per minute (ft/min).

Monitoring results for the vent riser in passive mode are summarized in Table 6. All of the vent risers were in good condition and have adequate air flow velocity in passive mode. Vent riser air flow velocities during passive mode monitoring ranged from 5 to 70 ft/min in the second quarter 2024 and from 10 to 55 ft/min in the fourth quarter 2024. Air flow rates in passive mode were within historical ranges except for a slightly new high value at VA-2 (43 ft/min) in the second quarter.

In the second quarter 2024, methane was detected in 6 of 39 vent risers at low concentrations ranging from 0.5 to 2.0 ppmv in vents VL-5, VL-10, VL-11, VD-1, VD-4, and VE-1. In the fourth quarter 2024, methane was detected in 11 of 39 vent risers at low concentrations ranging from 0.5 to 10.5 ppmv in vents VL-1, VL-2, VL-4, VL-5, VL-8, VL-10, VL-11, VB-3, VD-4, VD-5, and VE-1. Methane was not detected above the instrument detection limit of 0.5 ppmv in any other vent risers in passive mode during the June 2024 and January 2025 monitoring events. All values are within historical values expect for a new high in VL-10 (10.5 ppmv) in January 2025. All values were well below the SSAL of 5,000 ppmv.

Hydrogen sulfide was not detected above the instrument detection limit of 0.003 ppmv in any of the vent risers. All values were well below the SSAL of 10 ppmv.

Monitoring results for the vent risers in active mode are summarized in Table 7. All of the vent risers appear to be functioning properly during active mode when air is injected into the sub-slab piping and vents out the associated risers. The air flow velocity at the associated vent risers ranged from 127 to 412 ft/min during active mode monitoring in the second quarter 2024 and from 110 to 351 ft/min during active mode monitoring in the fourth quarter 2024. Air flow rates were within historical ranges for each respective vent riser with the exception of vent VA-3 (new low of 149 ft/min in the 4TH quarter), vent VB-1 (new low of 200 ft/min in the 4THquarter), vent VC-1 (new low of 185 ft/min in the 4TH quarter), vent VC-2 (new low of 230 ft/min in the 4TH quarter), vent VC-3 (new low of 205 ft/min in the 4TH quarter), VD-5 (new low of 153 ft/min in the 4TH quarter) and VD-6 (new low of 180 ft/min in the 4th quarter).

The total air flows measured from the vent risers for each air sweep area were calculated and are compared to expected flow rates in the following table.

Air Sweep System Performance Summary				
Blower Area (Blower ID)	Air Flow (cfm)			
	Blower Gauges	Active Vent Risers (Baseline)	Active Vent Risers 6-28-2024	Active Vent Risers 1-3-25
Admin/Elevator Bldg (IB-1)	100	143	192.2	125.1
MPR/Food Service Bldg (IB-2)	125	160	136.3	112.9
Classroom Bldgs (IB-3)	125	134	139.5	104.1
cfm = cubic feet per minute				

As shown in the table above, total air flows for the blowers were above or near baseline measurements and were similar to previous measurements during both events.

4.3.6 Soil Gas Monitoring

Seven multi-depth soil gas probes (SV-1 to SV-7) were installed for post-construction O&M monitoring. Each location contains two or three nested probes at depths between 5 and 15 feet bgs at the locations shown on Figure 3 and historical data is shown on Table 8. Soil gas probes SV-1 to SV-5 were installed to monitor subsurface methane and hydrogen sulfide concentrations, while probes SV-6 and SV-7 were installed to monitor VOC concentrations. As discussed in Section 1.7, monitoring of soil gas probes SV-6 and SV-7 has been discontinued and replaced with sub-slab monitoring of the Administration Building using sub-slab gas sensor probes. The soil gas probes and sub-slab gas sensor probes are currently monitored using a combination of hand-held field instruments and laboratory analyses, as discussed in the following sections.

New soil gas probes were installed to a depth of 3 feet bgs in well boxes adjacent to the existing probes on February 20, 2025. The new probes were installed shallower than the existing probes to try to maintain active sampling above the groundwater level. The new probes were monitored on February 27, 2025 and results are discussed below in section 4.3.6.2.

4.3.6.1 Building Sub-Slab Monitoring (VOCs)

As discussed in Section 1.7, air samples are now collected from beneath building slabs in lieu of VOC monitoring at soil gas probes SV-6 and SV-7. Probes SV-6 and SV-7 were installed to monitor VOCs historically present in soil gas along the northwest side of the Site, where the Administration Building currently resides. Accordingly, sub-slab air samples were collected from the two gas sensor probes that serve the Administration Building – M3-1A and M3-1B.

Sub-slab samples were collected prior to activation of the air injection blowers for the other O&M monitoring tasks. To collect the samples, the sensor probe inlet was temporarily disconnected at the duplex panel and a Summa canister with air flow regulator was attached to the probe using flexible tubing and a suitable adapter. In addition to the two primary samples (one from each sensor probe), one duplicate sample was collected for QA/QC purposes. The Summa canisters were submitted to SunStar Laboratories, an off-site State-certified laboratory, for the analysis of VOCs by USEPA Method TO-15. Analytical results are summarized in Table 9; a copy of the laboratory report is provided in Appendix E.

As indicated in Table 9, acetone, tetrachloroethene (PCE), 1,2,4-trimethylbenzene, carbon disulfide,

cyclohexane, benzene, ethylbenzene, toluene, and xylenes were the only VOCs detected in the sub-slab samples at concentrations from 1.0 ppbv (carbon disulfide and ethylbenzene) to 14 ppbv (acetone). VOC concentrations, in particular tetrachloroethene, are similar to historical events and are below screening levels.

4.3.6.2 Soil Gas Probes SV-1 to SV-5 (Methane and Hydrogen Sulfide)

Historical results for soil gas probe monitoring, including the most recent monitoring event, are summarized in Table 8. Soil gas probes SV-1 to SV-5 were not able to be sampled in June as well as events in 2023 and 2022. All of the probes have been either plugged with low or no flow, or probes had water in tubing when monitored. Historically, methane has been detected at the highest concentrations in probe SV3-5.

As discussed in Section 3.3, new soil gas probes were installed on February 17, 2025 immediately adjacent to existing probes SV-1 through SV-5. The new probes were all constructed at 3 feet bgs so probes would be above the groundwater level. The new probes were labeled the same as the adjacent probes (SV-1 through SV-5) with new depths at 3 feet bgs. The new probes were monitored on February 27, 2025. Methane was only detected in SV1-3 and SV3-3 at 0.2% and 20% and hydrogen sulfide was not detected in any probe. A sample was collected for laboratory analysis from SV3-3 for confirmation. Laboratory results from SV3-3 detected 6% (60,000 ppmV) methane and <0.005 ppbV hydrogen sulfide.

4.3.7 SCAQMD PERMIT MONITORING

The three GMS air injection blowers (IB-1, IB-2, and IB-3) were installed and were temporarily operated pursuant to a site-specific SCAQMD Permit to Construct (PTC No. 515646). The PTC was converted to a Permit to Operate (PTO No. G24540) on May 22, 2013, which modified the monitoring requirements for SCAQMD compliance. Among other changes, monitoring of the air injection blowers is now required on an annual, rather than quarterly basis.

SCAQMD monitoring was conducted during the Fourth Quarter 2024 event as the PTO specified. As specified, samples for analysis are to be collected from the two vent risers with the highest methane readings observed during active monitoring were selected for VOCs analysis by EPA Method TO3 (VA-7 and VD-1, see field monitoring form 2). No VOCs were detected in samples from vents VA-7 and VD-1. The laboratory report is included in Appendix E.

4.4 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Data quality assurance/quality control (QA/QC) measures were employed to ensure the reliability and comparability of all data generated during O&M monitoring. The DTSC-approved Quality Assurance Project Plan (QAPP) prepared for start-up testing and routine O&M of the GMS (URS, 2012) was followed for the collection and validation of the data. The QAPP provides specific descriptions of the field and laboratory procedures to be employed for verifying and maintaining performance quality for the collection of environmental samples and subsequent chemical analysis. Based on a review of the field procedures and laboratory reports, the soil gas and air data are considered to be reliable and usable for project decision making.

4.4.1 QA/QC for Field Monitoring

The primary QA/QC considerations for field instruments are routine maintenance and calibration according to manufacturer's recommendations. Procedures for these tasks are prescribed by the manufacturers and vary from instrument to instrument. The procedures used during O&M monitoring to ensure the quality of data obtained using hand-held field instruments are described on the following page.

- The field instruments were properly maintained and operated in accordance with the manufacturers' specifications. The instruments were capable of reliable detection of methane and hydrogen sulfide concentrations below the minimum SSALs of 500 ppmv and 0.01 ppmv, respectively.
- Field instruments were subjected to periodic diagnostic checks in accordance with manufacturers' recommendations. These checks typically are conducted by the equipment vendor as part of routine maintenance prior to rental and are documented in certification forms provided with the instrument.
- Field instruments were pre-calibrated by the equipment vendor prior to each day of monitoring with appropriate gas standards traceable to the National Institute of Standards and Technology (NIST).

Instrument-specific calibration/check procedures were as follows:

- The Thermo Scientific TVA and Photovac MicroFID® monitors were factory-calibrated within one year prior to its use, as confirmed by a certificate of calibration provided with the instrument. The instrument was zeroed and then calibrated with 100 ppmv methane and hexane standards in accordance with manufacturer recommendations.
- The Landtec GEM™ 2000 Gas Analyzer was factory-calibrated within one year prior to rental, as confirmed by a certificate of calibration provided with the instrument. The instrument was zeroed and then calibrated with a 50% methane standard in accordance with manufacturer recommendations.
- The Jerome 631-X® Analyzer was factory-calibrated within one year prior to rental, as confirmed by a certificate of calibration provided with the instrument. The instrument was regenerated and zeroed prior to each day of sampling and then checked with a 10 ppmv hydrogen sulfide standard in accordance with manufacturer recommendations.
- The TSI VelociCalc® Plus 9555 air flow meter was factory-calibrated within one year in accordance with manufacturer recommendations.

4.4.2 QA/QC for Soil Gas and Sub-Slab Samples

QA/QC procedures followed during sub-slab sampling and analysis are summarized below. As previously noted, soil gas samples from soil gas probes were able to be collected in 2024:

- A field duplicate was collected from the two sub-slab samples during both events. The relative percent difference between M3-1A and M3-1A DUP for tetrachloroethylene was approximately 7.5% in the fourth quarter. The relative percent difference between M3-1A and M3-1A could not

be computed in the second quarter since none of the same compounds were detected between original and duplicate samples.

- Detection limits were set at appropriate levels to allow for comparison of results to SSALs.
- Summa canisters used to collect building sub-slab samples were fitted with a regulator to maintain air flow rates at or below 150 ml/minute. Initial summa canister vacuums were recorded on a monitoring form. Summa canisters were submitted to the laboratory under chain-of-custody control and analyzed within the allowable holding time of 30 days.

4.4.3 QA/QC FOR LABORATORY ANALYSIS

The three sub-slab gas sensor probe samples (two primaries and one duplicate) and vent riser samples were collected in Summa canisters and were submitted to SunStar Laboratories in Lake Forest, California for analysis of VOCs by USEPA Method TO-15 and TO-3. Laboratory analytical results are provided in Appendix E.

SunStar Laboratories is certified under the California Department of Public Health's Environmental Laboratory Accreditation Program (ELAP). The laboratory adhered to the quality control practices prescribed in their QA/QC Manual for instrument calibration, equipment decontamination, and the analysis of surrogate recoveries, laboratory control samples, duplicate samples, and method blanks. No significant QA/QC problems were identified in the laboratory reports.

Laboratory results for TO-15 analyses reflect the following QA/QC procedures:

- Laboratory reporting limits were sufficiently low to compare the results with SSALs and evaluate potential health risks associated with the detected compounds.
- A surrogate (4-bromofluorobenzene) was introduced to each sample prior to analysis. The surrogate recovery rate ranged from 96% to 101%, which is within the range of 59.2-130% considered acceptable by the laboratory.
- No VOCs were detected in the laboratory blank.

5. SYSTEM OPERATIONS

5.1 ACTIVE GMS OPERATION

There were no occasions of elevated gas concentrations in 2024. The air sweep system was automatically activated weekly as shown in section 5.4.

5.2 INCIDENTS AND ALARMS

The only alarms were for a GMS operation errors caused by school power issues. The GMS panel froze on February 10, 2024 and was restored on March 28, 2024. There were no incidents or other alarms related to elevated gas concentrations or equipment failures were reported during the 2024 O&M reporting period. Additionally, in 2024 the school administrative staff reported no odors or other incidents.

5.3 MAINTENANCE ACTIVITIES

As mentioned, the automatic gas detection and alarm system was deactivated on January 22, 2020 and restarted on July 2, 2020 at the request of school principal and remains in operation. Functional tests were performed on June 22, 2023 and January 3, 2025, and have been conducted semi-annually since the system was restarted. Maintenance activities performed in 2024 include:

- Removed brush for access to vent VC-3 sample port in June 2024.
- Two of the warning placards were replaced on August 16, 2024.
- Sample pump M3-1 was replaced on June 20, 2024 and sample pumps M2-1 and M3-2 were replaced on January 3, 2025.
- The pressure switch failed for sample pump M3-1 failed on January 7 and was replaced on February 4, 2025.

A tabulated summary of the maintenance activities completed during the subject reporting period is provided in Appendix G. The maintenance history for the system components is also provided in Appendix G.

5.4 GMS MALFUNCTIONS AND ALARMS

GMS alarm history records from 2024 were copied from the HMI panel and reviewed (see Appendix C). The records contained notifications of programmed automatic monthly blower operation. In addition to these programmed events, GMS malfunctions and repair activities were reflected in the HMI alarm history record and GMS maintenance log include. Alarms recorded included air blowers operating for programmed exercise and/or monitoring, momentary power interruptions were recorded for the simplex and duplex panel, power failures, communication errors, function tests.

5.5 INSTALLATION OF TEMPORARY RELOCATEABLE CLASSROOMS

The LAUSD prepared to install a 48-foot x 40-foot temporary relocatable classroom building containing two classrooms to accommodate an expanded student enrollment in the fall of 2017. The temporary building will be used until permanent classrooms are constructed. Plans and a technical memorandum describing the temporary building location, proposed gas mitigation system design, and design basis were submitted to the DTSC on June 1, 2017 via email. Dr. Ning-Wu Chang at the DTSC provided initial comments on June 9, 2017, which the LAUSD responded to via email on June 12, 2017. Mr. Amit Pathak at the DTSC emailed LAUSD on June 14, 2017 stating the DTSC concurred with LAUSD's responses to the comments. Mr. Pathak also requested that a few rounds of confirmation indoor sampling be conducted to document that the new classrooms are free of methane and hydrogen sulfide, and that as-built drawings be submitted for documentation following system installation.

Installation of the temporary relocatable classrooms was completed during the third quarter of 2017. Baseline monitoring of methane and hydrogen sulfide in the classrooms and crawlspace was completed prior to start of classes to document that the new classrooms and crawlspace are free of methane and hydrogen sulfide. Monitoring of the relocatable classrooms and crawlspace was performed during the 3rd and 4th 2017 quarters activities and during this quarter. Results of the baseline and previous monitoring have been included along with this quarter's results in Table 5. As-built drawings, inspection records, photo documentation, all monitoring results, and records of communications with the DTSC were included in 4th Quarter 2017 Report.

5.6 CURTAILMENT OF GAS DETECTION SYSTEM OPERATION

A Technical Memorandum dated September 17, 2019 describes the deactivation procedures and criteria for restarting the gas detection and alarm system. The Memorandum was approved by the DTSC in a letter dated September 17, 2019.

The gas detection and alarm system was deactivated on January 22, 2020, which included de-energizing the sub-slab sampling pumps and associated methane and hydrogen sulfide gas detection sensors. The low-pressure switches were wired to inhibit pump fail alarms. Gas sensors alarms were inhibited, and the piping was dissembled to prevent gas from entering sensors. The alarm autodialer was also deactivated, the panel buzzer disconnected, and strobe lights were switched off. Sampling panels and controls remained energized to enable the automatic timed operation of air sweep blowers.

The sampling pumps and gas sensors were reenergized and restored to service on July 2, 2020 and remain in operation at the request of the school principal. Curtailment of the gas detection and alarm system operations is pending a decision by the principal after hearing comments or concerns from the school staff and parents of students.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 FINDINGS

The results of the 2024 inspection and monitoring activities at Playa Vista Elementary School are summarized below.

6.1.1 INSPECTION ITEMS

Visible portions of the vent risers were inspected and found to be in generally good condition. Vent riser VC-3 port was previously not accessible due to overgrown brush, but the shrubs and brush have been removed and this vent was monitored in 2024. Posted notification signs and equipment labels were inspected and found to be unobstructed and in good condition, two of the placards were replaced on August 16, 2024. No water was observed in any of the subsurface sumps.

Blowers were manually activated and confirmed to be operational and responsive. Blower responses to various alarm conditions were also confirmed during functional testing. The blowers were confirmed to be operating at acceptable air flow rates and pressures. Blowers were verified automatically operate for a period of 15 minutes weekly (on Saturdays).

Building floors and outdoor areas were inspected for evidence of possible impacts to the GMS. No defects, damage, or observed conditions to the GMS were identified that require maintenance or repair. Soil gas probe surface completion vaults were inspected for evidence of damage or vandalism. New soil gas probes were installed in well boxes adjacent to the existing probes to a depth of 3 feet bgs.

The duplex panel water traps, air filters, rotameters, solenoid valves, gas sensors, and displays were confirmed to be operating and in good condition. The PLC was inspected for proper displays and functionality and found to be operating properly. The HMI remains non-functional because the computer needs a new updated operating system. GMS data is obtained from the panel.

The record of system events described in the alarm history indicates that momentary power interruptions to the simplex panel, duplex panel, and/or PLC had occurred in 2024.

6.1.2 MONITORING ITEMS

Concentrations of methane and hydrogen sulfide in the airspaces of buildings, outdoor areas, enclosed spaces, and vent risers were below established SSALs and do not pose a health risk or safety hazard to occupants of the school. Concentrations of methane, hydrogen sulfide, and VOCs beneath building floor slabs, as determined from vent riser and sub-slab monitoring, were below established SSALs.

No significant methane or hydrogen sulfide concentrations in building and hardscape area vent risers or below floor slabs were measured during monitoring activities. The GMS was designed and constructed to protect occupants of the Site from subsurface concentrations of hazardous gases

such as these. The monitoring and inspection conducted in 2024 indicated the GMS has been operating properly.

6.1.3 INCIDENTS AND ALARMS

There were no incidents in 2024 related to elevated methane or hydrogen sulfide concentrations, reports of odors, or other evidence of gas seepage.

6.2 RECOMMENDATIONS

As a general recommendation, future inspection and monitoring activities should be conducted annually as outlined in the Updated O&M Plan, approved by the DTSC on April 12, 2021. However, inspection of the sampling pump performance and download of the system alarm history will be conducted quarterly, and functional testing and calibration of the gas detection and alarm system will be conducted semiannually while the gas detection and alarm system remains operating. The gas detection and alarm system operation will remain in operation until the principal has had an opportunity to address comments or concerns from the school community and approved curtailment of the gas detection operation in accordance with the Updated O&M Plan.

Action items identified below as "In Progress" will be retained in monitoring reports until they have been corrected. Action items identified as "Completed" will be deleted from future reports.

6.2.1 PREVIOUS ACTION ITEMS

Action Item 35 – Autodialed alarms are not being monitored by a central alarm service. *Reinstate a central alarm monitoring service – to be executed by OEHS. [Completed – The autodialer was reconnected in March 2023.]*

Action Item 36 – The HMI Computer is non-functional. *Perform a hard reboot of the panel – to be executed by the O&M Consultant with support from the gas detection system vendor. [Completed – The computer reboot was completed on July 6, 2021 but was unsuccessful and the HMI needs new updated operating system and remains non-functional. GMS data is obtained from the panel.]*

Action Item 39 – Vent port VC-3 has not been accessible due to overgrown brush. This area was not been cleared out because likely part of adjacent nature center/park. *[Completed – Brush removed and vent VC-3 was accessible during both events in 2024]*

Action Item 40 – Replace sample pumps due to low flows *[Completed – Brush removed and vent VC-3 was accessible during both events in 2024]*

Action Item 41 – Replace damage placards *[Completed – Brush removed and vent VC-3 was accessible during both events in 2024]*.

Action Item 42 – Unplug sample port VL-7. *[Completed – Brush removed and vent VC-3 was accessible during both events in 2024]*.

6.2.2 NEW ACTION ITEMS

Action Item 43 – Abandon plugged deeper soil gas probes pending DTSC approval. Continue soil vapor monitoring from 3-foot probes at SV-1 through SV-5 only.

7. REFERENCES

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Figures

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General Site Location
Playa Vista Elementary School
13150 West Bluff Creek Drive
Los Angeles, CA 90094

Figure 1

Google earth

feet 700

meters 200

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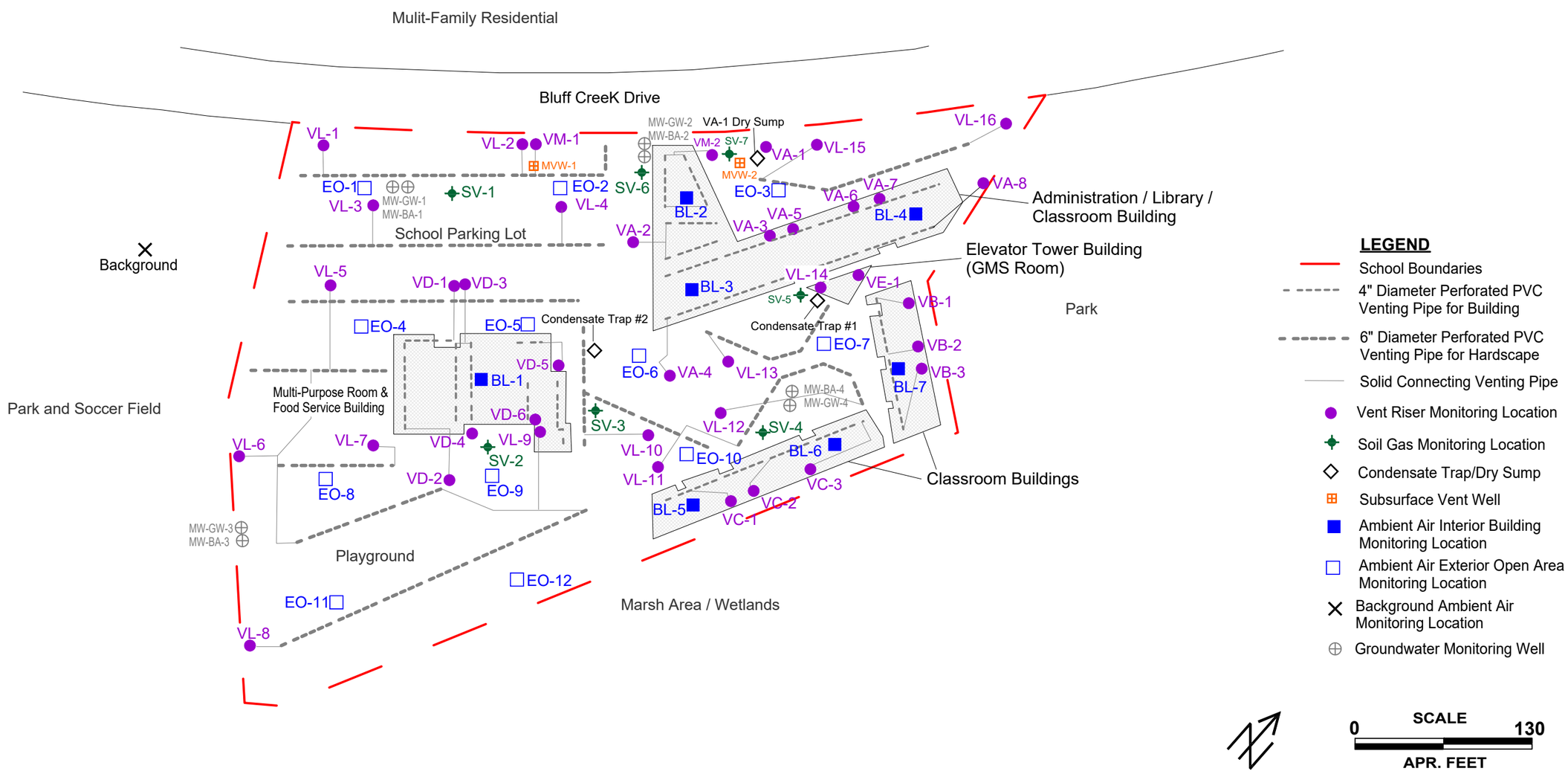
Aerial Image	
Playa Vista Elementary School **13150 West Bluff Creek Drive** **Los Angeles CA 90094**	
FIGURE 2	August 2015



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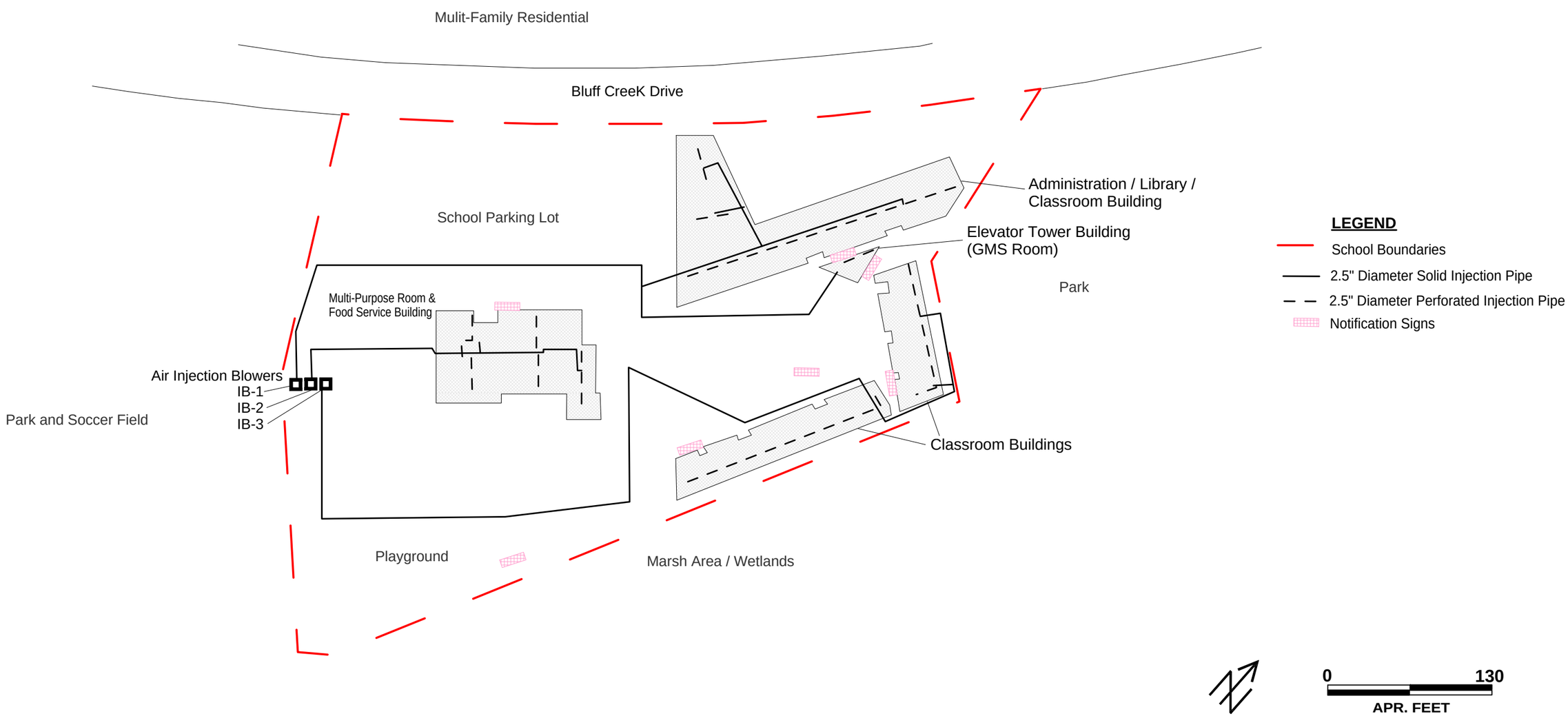
Monitoring Locations and Subsurface Features

Playa Vista Elementary School
13150 West Bluff Creek Drive
Los Angeles CA 90094

FIGURE 3 | August 2015

Source: Q4 2014 O&M Report prepared by Placeworks



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Blowers, Injection Lines, and Signs

Playa Vista Elementary School
13150 West Bluff Creek Drive
Los Angeles CA 90094

FIGURE 4 | August 2015

Source: Q4 2014 O&M Report prepared by Placeworks

Tables

TABLE 1

SITE-SPECIFIC ACTION LEVELS (SSALs) FOR METHANE AND HYDROGEN SULFIDE
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Type	SSAL (ppmv)		Response
	Methane	Hydrogen Sulfide	
Interior Occupied Space			
Sub-slab Continuous Monitoring (low level alarm)	≥5,000	≥10	Air sweep venting system activated; HVAC system activated to circulate fresh air in ground floor rooms; systems remain active for 15 minutes after concentrations fall below SSALs; audible and visible alarms triggered after four hours of sustained low level alarm
Sub-slab Continuous Monitoring (high level alarm)	≥12,500	≥15	Audible and visible alarms triggered; conduct engineering evaluation in consultation with DTSC
Airspace Handheld Monitoring	≥500	≥0.01	HVAC system activated manually to circulate fresh air; conduct engineering evaluation in consultation with DTSC
Exterior Space			
Airspace Handheld Monitoring (above ground surface)	≥500	≥0.1	Conduct engineering evaluation in consultation with DTSC
Vent Risers			
Vent Riser Handheld Monitoring	≥5,000	≥10	Evaluate based on historical trends; conduct engineering evaluation in consultation with DTSC

ppmv = parts per million by volume

TABLE 2

OVERVIEW OF GMS MONITORING REQUIREMENTS
LAUSD Playa Vista Elementary School

Sample Locations	Sample IDs	Field Parameter	Field Instrument (1)	Laboratory Parameter	Analytical Method	Laboratory Type	Action Level (ppmv)	Contingency Response	Current Reporting Frequency
Background Ambient Air	Background (from adjacent park)	Methane	Photovac MicroFID®	--	--	--	≥500	Immediate evacuation and conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥0.1		
Building Airspace	BI-1 to BI-7 and new Modular buildings	Methane	Photovac MicroFID®	--	--	--	≥500	Immediate evacuation, manually activate HVAC, and conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥0.01		
Outdoor Areas	EO-1 to EO-12	Methane	Photovac MicroFID®	--	--	--	≥500	Immediate evacuation and conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥0.1		
Vent Risers (passive mode)	VL-1 to VL-16, VA-1 to VA 8, VB-1 to VB-3, VC-1 to VC-3, VD-1 to VD-6, VE-1, and VM-1 to VM-2	Methane	Photovac MicroFID®	--	--	--	≥5,000	Ensure proper function of air injection blowers and HVAC systems; manually activate, if necessary; conduct engineering evaluation if systems not functioning or concentrations remain above SSALs	Annually
		H2S	Jerome® 631X	--	--	--	≥10		
		Air Velocity	VelociCalc® Plus 9565P	--	--	--	--		
		Temperature	VelociCalc® Plus 9565P	--	--	--	--		
Vent Risers (active mode)	VA-1 to VA-8, VB-1 to VB-3, VC-1 to VC-3, VD-1 to VD-6, and VE-1	Methane	Photovac MicroFID®	--	--	--	≥5,000	Conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥10		
		Air Velocity	VelociCalc® Plus 9565P	--	--	--	--		
		Temperature	VelociCalc® Plus 9565P	--	--	--	--		
Air Sweep Blowers	IB-1, IB-2, and IB-3	Blower Flow	Dedicated Gauge	--	--	--	--	Conduct engineering evaluation	Annually
		Blower Pressure	Dedicated Gauge	--	--	--	--		
		Blower Temperature	Digital Thermometer	--	--	--	--		
Ground Floor HVAC Systems	HVAC Units and Exhaust Fans	Air Flow	® VelociCalc 5725	--	--	--	--	Conduct engineering evaluation	Annually
GMS Gas Detection/ Alarm System	Sample Pumps and Sensors	Sensor and Pumps Functionality	Sensor Calibration and 24 Hour Sampling Review	--	--	--	--	Conduct engineering evaluation	Annually
	Simplex/Duplex Panels, PLC, HMI	Alarm Response and Functionality	Sensor Calibration and "Test Mode" Tests	--	--	--	--	Conduct engineering evaluation	Annually (Semi-annually if GMS in operation)
SCAQMD Permit (vent risers)	All building vent risers operating with blowers running (two vent risers for VOCs)	Methane	Photovac MicroFID®	Samples for VOC analysis to be collected from two vent risers with highest methane concentrations				Submit application to SCAQMD for permit to collect and treat vented gases	Annually
		H2S	Jerome® 631X	--	--	--	>0.25		
		VOCs	No field measurements	Total VOCs (as hexane)	USEPA Method TO-3 or 8015	Stationary	1 lb/day		
Soil Gas Probes	SV-1 to SV-5	Methane	Landtec GEMTM 2000	--	--	--	≥5,000	Assess significance of gas concentrations with respect to historical trends in O&M Report	Biennially
		H2S	Jerome® 631X	--	--	--	≥10		
		O2	Landtec GEMTM 2000	--	--	--	--		
		CO2	Landtec GEMTM 2001	--	--	--	--		
		Vacuum/Pressure	Magnehelic Gauge (H2O)	--	--	--	--		
		Methane	Duplicate Sample (10%)	Methane	USEPA TO-3 or ASTM D1946	Stationary	≥5,000		
		H2S	Duplicate Sample (10%)	H2S	ASTM Method D5504	Stationary	≥10		
Soil Gas Probes	SV-6 and SV-7	Soil gas monitoring for VOCs was discontinued at these two locations after the Third Quarter 2013 O&M event with DTSC approval. Subsurface VOCs currently assessed via building gas sensor probes (see next item)							
Sample Probes Under Administration Building	Gas detection probes M3-1A and M3-1B	VOCs	Primary Samples	VOCs	USEPA Method TO-15	Stationary	see Table 9	Assess significance of gas concentrations in accordance with procedures outlined in the O&M Plan	Annually
		VOCs	Duplicate Sample (10%)	VOCs	USEPA Method TO-15	Stationary	see Table 9		
Passive Vent Connectivity Testing	VL-1 to VL-16,	Air Flow	VelociCalc 5725	--	--	--	--	Assess air flow in vents	Every 5-years or if blockage encountered
Groundwater Monitoring Wells	MW-GW-1 to GW-4 MW-BA-1 to BA-4	Groundwater monitoring of eight Site wells was discontinued after the Second Quarter 2013 O&M event with DTSC approval. The Los Angeles RWQCB has assumed responsibility for area wide groundwater monitoring (per DTSC letter, dated December 4, 2013)							

(1) Typical field instrument. Equivalent instruments may be used with the approval of the GMS Project Engineer.
CH_4 = Methane
H_2S = Hydrogen sulfide
O_2 = Oxygen
CO_2 = Carbon dioxide
VOCs = Volatile organic compounds

TABLE 2

OVERVIEW OF GMS MONITORING REQUIREMENTS
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Sample Locations	Sample IDs	Field Parameter	Field Instrument (1)	Laboratory Parameter	Analytical Method	Laboratory Type	Action Level (ppmv)	Contingency Response	Current Reporting Frequency
Background Ambient Air	Background (from adjacent park)	Methane	Photovac MicroFID®	--	--	--	≥500	Immediate evacuation and conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥0.1		
Building Airspace	BI-1 to BI-7 and new Modular buildings	Methane	Photovac MicroFID®	--	--	--	≥500	Immediate evacuation, manually activate HVAC, and conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥0.01		
Outdoor Areas	EO-1 to EO-12	Methane	Photovac MicroFID®	--	--	--	≥500	Immediate evacuation and conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥0.1		
Vent Risers (passive mode)	VL-1 to VL-16, VA-1 to VA 8, VB-1 to VB-3, VC-1 to VC-3, VD-1 to VD-6, VE-1, and VM-1 to VM-2	Methane	Photovac MicroFID®	--	--	--	≥5,000	Ensure proper function of air injection blowers and HVAC systems; manually activate, if necessary; conduct engineering evaluation if systems not functioning or concentrations remain above SSALs	Annually
		H2S	Jerome® 631X	--	--	--	≥10		
		Air Velocity	VelociCalc® Plus 9565P	--	--	--	--		
		Temperature	VelociCalc® Plus 9565P	--	--	--	--		
Vent Risers (active mode)	VA-1 to VA-8, VB-1 to VB-3, VC-1 to VC-3, VD-1 to VD-6, and VE-1	Methane	Photovac MicroFID®	--	--	--	≥5,000	Conduct engineering evaluation	Annually
		H2S	Jerome® 631X	--	--	--	≥10		
		Air Velocity	VelociCalc® Plus 9565P	--	--	--	--		
		Temperature	VelociCalc® Plus 9565P	--	--	--	--		
Air Sweep Blowers	IB-1, IB-2, and IB-3	Blower Flow	Dedicated Gauge	--	--	--	--	Conduct engineering evaluation	Annually
		Blower Pressure	Dedicated Gauge	--	--	--	--		
		Blower Temperature	Digital Thermometer	--	--	--	--		
Ground Floor HVAC Systems	HVAC Units and Exhaust Fans	Air Flow	® VelociCalc 5725	--	--	--	--	Conduct engineering evaluation	Annually
GMS Gas Detection/ Alarm System	Sample Pumps and Sensors	Sensor and Pumps Functionality	Sensor Calibration and 24 Hour Sampling Review	--	--	--	--	Conduct engineering evaluation	Annually
	Simplex/Duplex Panels, PLC, HMI	Alarm Response and Functionality	Sensor Calibration and "Test Mode" Tests	--	--	--	--	Conduct engineering evaluation	Annually (Semi-annually if GMS in operation)
SCAQMD Permit (vent risers)	All building vent risers operating with blowers running (two vent risers for VOCs)	Methane	Photovac MicroFID®	Samples for VOC analysis to be collected from two vent risers with highest methane concentrations				Submit application to SCAQMD for permit to collect and treat vented gases	Annually
		H2S	Jerome® 631X	--	--	--	>0.25		
		VOCs	No field measurements	Total VOCs (as hexane)	USEPA Method TO-3 or 8015	Stationary	1 lb/day		
Soil Gas Probes	SV-1 to SV-5	Methane	Landtec GEMTM 2000	--	--	--	≥5,000	Assess significance of gas concentrations with respect to historical trends in O&M Report	Biennially
		H2S	Jerome® 631X	--	--	--	≥10		
		O2	Landtec GEMTM 2000	--	--	--	--		
		CO2	Landtec GEMTM 2001	--	--	--	--		
		Vacuum/Pressure	Magnehelic Gauge (H2O)	--	--	--	--		
		Methane	Duplicate Sample (10%)	Methane	USEPA TO-3 or ASTM D1946	Stationary	≥5,000		
		H2S	Duplicate Sample (10%)	H2S	ASTM Method D5504	Stationary	≥10		
Soil Gas Probes	SV-6 and SV-7	Soil gas monitoring for VOCs was discontinued at these two locations after the Third Quarter 2013 O&M event with DTSC approval. Subsurface VOCs currently assessed via building gas sensor probes (see next item)							
Sample Probes Under Administration Building	Gas detection probes M3-1A and M3-1B	VOCs	Primary Samples	VOCs	USEPA Method TO-15	Stationary	see Table 9	Assess significance of gas concentrations in accordance with procedures outlined in the O&M Plan	Annually
		VOCs	Duplicate Sample (10%)	VOCs	USEPA Method TO-15	Stationary	see Table 9		
Groundwater Monitoring Wells	MW-GW-1 to GW-4 MW-BA-1 to BA-4	Groundwater monitoring of eight Site wells was discontinued after the Second Quarter 2013 O&M event with DTSC approval. The Los Angeles RWQCB has assumed responsibility for area wide groundwater monitoring (per DTSC letter, dated December 4, 2013)							

(1) Typical field instrument. Equivalent instruments may be used with the approval of the GMS Project Engineer.
CH_4 = Methane
H_2S = Hydrogen sulfide
O_2 = Oxygen
CO_2 = Carbon dioxide
VOCs = Volatile organic compounds

TABLE 3

BACKGROUND AIR QUALITY MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
A-1	Adjacent park to the southwest	3/29/12	<0.5	<0.003
		3/30/12	<0.5	<0.003
		4/9/12	<0.5	<0.003
		4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/10/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/1/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		10/14/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		1/27/13	<0.5	<0.003
		5/18/13	<0.5	0.006
		5/19/13	NA	<0.003
		9/21/13	<0.5	<0.003
		12/14/13	3.5	<0.003
		12/14/13	1.2	0.008
		12/15/13	<0.5	<0.003
		3/8/14	3.5	0.003
		6/14/14	0.7	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	2.3	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	1.0	<0.003
		12/19/18	2.0	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	1.1	<0.003
		7/15/20	3.0	<0.003
		12/18/20	1.0	<0.003
		6/24/21	1.0	<0.003
		12/21/21	2.5	<0.003
		6/27/22	5.0	<0.003
		1/4/23	5.0	<0.003
		6/22/23	3.0	<0.003
		1/5/24	2.0	<0.003
		6/27/24	**2.0**	**<0.003**
		1/2/25	**2.5**	**0.005**

ppmv = parts per million by volume
NA = not detected
Note: Highlighted cells show current monitoring period results

TABLE 4

OUTDOOR AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL			**≥ 500**	**≥ 0.1**
EO-1	Landscape (Surface Parking Lot)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.007
		12/18/13	<0.5	NS
		3/8/14	3.2 [(a)]	0.003
		6/14/14	<0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	0.5	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	<0.5	<0.003
		12/18/20	<0.5	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	0.5	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	0.5	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**<0.5**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**0.5**	**<0.003**
EO-2	Landscape (Surface Parking Lot)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.006
		12/18/13	<0.5	NS
		3/8/14	3.2 [(a)]	0.003
		6/14/14	<0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	<0.5	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	<0.5	<0.003
		12/18/20	<0.5	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	0.6	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	1.0	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**1.0**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**0.5**	**<0.003**

TABLE 4

OUTDOOR AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL			**≥ 500**	**≥ 0.1**
EO-3	Landscape (Kindergarten Play Area)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.007
		12/18/13	<0.5	NS
		3/8/14	3.3 [(a)]	0.004
		6/14/14	<0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	1.0	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	<0.5	<0.003
		12/18/20	1.0	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	<0.5	<0.003
		6/22/23	**1.0**	**<0.003**
		1/5/24	**<0.5**	**<0.003**
		6/27/24	**0.5**	**<0.003**
		1/2/25	**<0.5**	**<0.003**
EO-4	Hardscape (W of MPR/Food Service Bldg.)	4/9/12	<0.5	
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.007
		12/18/13	<0.5	NS
		3/8/14	3.4 [(a)]	0.003
		6/14/14	<0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	0.8	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	<0.5	<0.003
		12/18/20	0.7	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	1.0	<0.003
		6/22/23	**1.0**	**<0.003**
		1/5/24	**<0.5**	**<0.003**
		6/27/24	**1.0**	**<0.003**
		1/2/25	**1.0**	**<0.003**

TABLE 4

OUTDOOR AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL			**≥ 500**	**≥ 0.1**
EO-5	Hardscape (NW Side of MPR/Food Service Bldg.)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.009
		12/18/13	<0.5	NS
		3/8/14	3.3 [(a)]	0.003
		6/14/14	0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	0.5	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	1.0	<0.003
		12/18/20	<0.5	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	0.5	<0.003
		1/4/23	<0.5	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**1.2**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**<0.5**	**<0.003**
EO-6	Landscape (W Side of Classroom Quad)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.009
		12/18/13	<0.5	NS
		3/8/14	3.4 [(a)]	0.003
		6/14/14	0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	1.0	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	0.5	<0.003
		12/18/20	1.0	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	<0.5	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**<0.5**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**<0.5**	**<0.003**

TABLE 4

OUTDOOR AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL			**≥ 500**	**≥ 0.1**
EO-7	Landscape (N Side of Classroom Quad)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.006
		12/18/13	<0.5	NS
		3/8/14	3.5 [(a)]	0.004
		6/14/14	0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/15	<0.5	0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	1.1	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	<0.5	<0.003
		12/18/20	1.0	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	<0.5	<0.003
		6/22/23	**1.2**	**<0.003**
		1/5/24	**<0.5**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**<0.5**	**<0.003**
EO-8	Hardscape (W Side of Playfields)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	0.003
		12/15/13	NS	0.007
		12/18/13	<0.5	NS
		3/8/14	3.5 [(a)]	0.004
		6/14/14	0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	1.2	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	0.5	<0.003
		12/18/20	<0.5	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	1.5	<0.003
		1/4/23	1.8	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**<0.5**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**<0.5**	**<0.003**

TABLE 4

OUTDOOR AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL			**≥ 500**	**≥ 0.1**
EO-9	Hardscape (N Side of Playfields)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.007
		12/18/13	<0.5	NS
		3/8/14	3.5 [(a)]	0.003
		6/14/14	<0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	<0.5	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	0.8	<0.003
		12/18/20	<0.5	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	1.0	<0.003
		1/4/23	<0.5	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**<0.5**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**<0.5**	**<0.003**
EO-10	Hardscape (S Side of Classroom Quad)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.008
		12/18/13	<0.5	NS
		3/8/14	3.3 [(a)]	0.003
		6/14/14	<0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/15	<0.5	0.005
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	0.5	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	<0.5	<0.003
		12/18/20	<0.5	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	<0.5	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**0.8**	**<0.003**
		6/27/24	**<0.5**	**<0.003**
		1/2/25	**<0.5**	**<0.003**

TABLE 4

OUTDOOR AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL			**≥ 500**	**≥ 0.1**
EO-11	Hardscape (S Side of Playfields)	4/9/12	<0.5	<0.003
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	0.003
		12/15/13	NS	0.008
		12/18/13	<0.5	NS
		3/8/14	3.2 [(a)]	0.003
		6/14/14	0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	0.9	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	1.0	<0.003
		12/18/20	1.0	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	<0.5	<0.003
		6/27/22	2.0	<0.003
		1/4/23	1.5	<0.003
		6/22/23	**<0.5**	**<0.003**
		1/5/24	**1.6**	**<0.003**
		6/27/24	**1.5**	**<0.003**
		1/2/25	**0.5**	**<0.003**
EO-12	Hardscape (E Side of Playfields)	4/9/12	<0.5	0.004
		4/10/12	<0.5	<0.003
		4/11/12	<0.5	<0.003
		4/12/12	<0.5	<0.003
		4/16/12	<0.5	<0.003
		7/11/12	<0.5	<0.003
		8/2/12	<0.5	<0.003
		9/15/12	<0.5	<0.003
		10/13/12	<0.5	<0.003
		11/17/12	<0.5	<0.003
		12/8/12	<0.5	<0.003
		1/26/13	<0.5	<0.003
		5/19/13	<0.5	<0.003
		9/21/13	<0.5	<0.003
		12/15/13	NS	0.008
		12/18/13	<0.5	NS
		3/8/14	3.2 [a]	<0.003
		6/14/14	0.5	<0.003
		9/13/14	<0.5	<0.003
		12/14/14	<0.5	<0.003
		8/11/15	<0.5	<0.003
		11/23/15	<0.5	<0.003
		6/14/16	<0.5	<0.003
		12/29/16	<0.5	<0.003
		6/28/17	<0.5	<0.003
		12/20/17	<0.5	<0.003
		6/19/18	1.0	<0.003
		12/19/18	<0.5	<0.003
		6/25/19	<0.5	<0.003
		12/26/19	<0.5	<0.003
		7/14/20	1.1	<0.003
		12/18/20	<0.5	<0.003
		6/24/21	<0.5	<0.003
		12/21/21	0.5	<0.003
		6/27/22	<0.5	<0.003
		1/4/23	<0.5	<0.003
		6/22/23	0.5	<0.003
		1/5/24	<0.5	<0.003
		6/27/24	**1.0**	**<0.003**
		1/2/25	**0.8**	**<0.003**

ppmv = parts per million by volume
SSAL = site-specific action level
NS = not sampled
[(a)] The concentration of methane in background (ambient) air was measured at 3.5 ppmv on 3/8/14.
Note: Highlighted cells show current monitoring period results

TABLE 5

BUILDING AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Building	Room No. [a]	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL				**≥ 500**	**≥ 0.01**
BL-1	MPR/Food Service	MP-104 / 5-102A	4/9/12	<0.5	<0.003
		MP-120 / 5-111	4/10/12	<0.5	<0.003
		MP-101 / 5-101	4/11/12	<0.5	<0.003
		MP-122 / 5-111C	4/12/12	<0.5	<0.003
		MP-114 / 5-106F	4/16/12	<0.5	<0.003
		5-102A	7/11/12	<0.5	<0.003
		5-111C	8/2/12	<0.5	<0.003
		5-102B	9/15/12	<0.5	<0.003
		5-111A	10/13/12	<0.5	<0.003
		5-101B	11/17/12	<0.5	<0.003
		5-106J	12/8/12	<0.5	<0.003
		5-102A	1/26/13	<0.5	<0.003
		5-111C	5/19/13	<0.5	<0.003
		5-106G	9/21/13	3.6 [d]	<0.003
		5-106E	12/15/13	NS	<0.003
		5-106E	12/18/13	<0.5	NS
		5-103	3/8/14	2.7 [e]	<0.003
		5-110	6/14/14	<0.5	<0.003
		5-102A	9/13/14	<0.5	<0.003
		5-108	12/14/14	<0.5	<0.003
		5-102A	8/11/15	<0.5	<0.003
		5-102A	11/23/15	<0.5	<0.003
		5-102A	6/14/16	<0.5	<0.003
		5-102A	12/19/16	<0.5	<0.003
		5-102A	6/28/17	<0.5	<0.003
		5-102A	12/20/17	<0.5	<0.003
		5-102A	6/19/18	<0.5	<0.003
		5-102A	12/19/18	<0.5	<0.003
		5-102A	6/25/19	<0.5	<0.003
		5-102A	12/26/19	<0.5	<0.003
		5-102A	7/14/20	<0.5	<0.003
		5-102A	12/18/20	<0.5	<0.003
		5-102A	6/24/21	<0.5	<0.003
		5-102A	12/21/21	<0.5	<0.003
		5-102A	6/27/22	<0.5	<0.003
		5-102A	1/4/23	<0.5	<0.003
		Main room	6/22/23	<0.5	<0.003
		Main room	1/5/24	<0.5	<0.003
		Main room	**6/27/24**	**<0.5**	**<0.003**
		Main room	**1/2/25**	**<0.5**	**<0.003**
BL-2	Library	L-105 / 1-111A	4/9/12	<0.5	<0.003
		L-108 / 1-112A	4/10/12	<0.5	<0.003
		L-104 / 1-111B	4/11/12	<0.5	<0.003
		L-102 / 1-111	4/12/12	<0.5	<0.003
		L-104 / 1-111B	4/16/12	<0.5	<0.003
		1-111A	7/11/12	<0.5	<0.003
		1-112A	8/2/12	4.3	<0.003
		1-111A	9/15/12	<0.5	<0.003
		1-153	10/13/12	<0.5	<0.003
		1-110	11/17/12	<0.5	<0.003
		1-113	12/8/12	<0.5	<0.003
		1-111A	1/26/13	<0.5	<0.003
		1-153	5/19/13	<0.5	<0.003
		1-111A	9/21/13	<0.5	<0.003
		1-102E	12/15/13	NS	0.003
		1-102E	12/18/13	<0.5	NS
		1-112A	3/8/14	2.9 [e]	<0.003
		1-111A	6/14/14	<0.5	<0.003
		1-112A	9/13/14	<0.5	<0.003
		1-101C	12/14/14	<0.5	<0.003
		Library	8/11/15	<0.5	<0.003
		Library	11/23/15	<0.5	<0.003
		Library	6/14/16	<0.5	<0.003
		Library	12/29/16	<0.5	<0.003
		Library	6/28/17	<0.5	<0.003
		Library	12/20/17	<0.5	<0.003
		Library	6/19/18	<0.5	<0.003
		Library	12/19/18	<0.5	<0.003
		Library	6/25/19	<0.5	<0.003
		Library	12/26/19	<0.5	<0.003
		Library	7/14/20	<0.5	<0.003
		Library	12/18/20	<0.5	<0.003
		Library	6/24/21	<0.5	<0.003
		Library	12/21/21	<0.5	<0.003
		Library	6/27/22	<0.5	<0.003
		Library	1/4/23	<0.5	<0.003
		Library	6/22/23	<0.5	<0.003
		Library	1/5/24	<0.5	<0.003
		Front Desk	**6/27/24**	**<0.5**	**<0.003**
		Front Desk	**1/2/25**	**<0.5**	**<0.003**

TABLE 5

BUILDING AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Building	Room No. [a]	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL				**≥ 500**	**≥ 0.01**
BL-3	Administration	A-106 / 1-102B	4/9/12	<0.5	<0.003
		A-104 / 1-102A	4/10/12	<0.5	<0.003
		A-107 / 1-101A	4/11/12	<0.5	0.037 [c]
		A-107 / 1-101A	6/12/12	NS	<0.003
		A-110 / 1-101C	4/12/12	<0.5	0.060 [c]
		A-110 / 1-101C	6/12/12	NS	<0.003
		A-115 / 1-102D	4/16/12	<0.5	<0.003
		1-101A	7/11/12	<0.5	<0.003
		1-102F	8/2/12	<0.5	<0.003
		1-102C	9/15/12	<0.5	<0.003
		1-101C	10/13/12	<0.5	<0.003
		1-102F	11/17/12	<0.5	<0.003
		1-102A	12/8/12	<0.5	<0.003
		1-102K	1/26/13	<0.5	<0.003
		1-101D	5/19/13	<0.5	<0.003
		1-114	9/21/13	<0.5	<0.003
		1-104	12/15/13	NS	0.004
		1-104	12/18/13	<0.5	NS
		1-101A	3/8/14	2.9 [e]	<0.003
		1-102F	6/14/14	<0.5	<0.003
		1-102A	9/13/14	<0.5	<0.003
		1-114	12/14/14	<0.5	<0.003
		Front desk	8/11/15	<0.5	<0.003
		Front Desk	11/23/15	<0.5	<0.003
		Front Desk	6/14/16	<0.5	<0.003
		Front Desk	12/29/16	<0.5	<0.003
		Front Desk	6/28/17	<0.5	<0.003
		Front Desk	12/20/17	<0.5	<0.003
		Front Desk	6/19/18	<0.5	<0.003
		Front Desk	12/19/18	<0.5	<0.003
		Front Desk	6/25/19	<0.5	<0.003
		Front Desk	12/26/19	<0.5	<0.003
		Front Desk	7/14/20	<0.5	<0.003
		Front Desk	12/18/20	<0.5	<0.003
		Front Desk	6/24/21	<0.5	<0.003
		Front Desk	12/21/21	<0.5	<0.003
		Front Desk	6/27/22	<0.5	<0.003
		Front Desk	1/4/23	<0.5	<0.003
		Front Desk (Admin)	6/22/23	<0.5	<0.003
		Side Office	1/5/24	<0.5	<0.003
		Rear Area	**6/27/24**	**<0.5**	**<0.003**
		GMS Panel	**1/2/25**	**<0.5**	**<0.003**
BL-4	Administration	A-127 / 1-115A	4/9/12	<0.5	<0.003
		A-122 / 1-114B	4/10/12	<0.5	0.015 [b]
		A-122 / 1-114B	6/12/12	NS	<0.003
		A-1131 / 1-107	4/11/12	<0.5	<0.003
		A-102 / 1-101E	4/12/12	<0.5	<0.003
		A-128 / 1-115B	4/16/12	<0.5	<0.003
		1-114B	7/11/12	<0.5	<0.003
		1-107A	8/2/12	<0.5	<0.003
		1-106	9/15/12	<0.5	<0.003
		1-114A	10/13/12	<0.5	<0.003
		1-107B	11/17/12	<0.5	<0.003
		1-106	12/8/12	<0.5	<0.003
		1-104	1/26/13	<0.5	<0.003
		1-115B	5/19/13	<0.5	<0.003
		1-107B	9/21/13	<0.5	<0.003
		1-107A	12/15/13	NS	0.003
		1-107A	12/18/13	<0.5	NS
		1-105	3/8/14	2.8 [e]	<0.003
		1-106	6/14/14	<0.5	<0.003
		1-104	9/13/14	<0.5	<0.003
		1-106	12/14/14	<0.5	<0.003
		1-103	8/11/15	<0.5	<0.003
		1-103	11/23/15	<0.5	<0.003
		1-103	6/14/16	<0.5	<0.003
		1-103	12/29/16	<0.5	<0.003
		1-103	6/28/17	<0.5	<0.003
		1-103	12/20/17	<0.5	<0.003
		1-103	6/19/18	0.5	<0.003
		1-103	12/19/18	<0.5	<0.003
		1-103	6/25/19	<0.5	<0.003
		1-103	12/26/19	<0.5	<0.003
		1-103	7/14/20	<0.5	<0.003
		1-103	12/18/20	<0.5	<0.003
		1-103	6/24/21	<0.5	<0.003
		1-103	12/21/21	<0.5	<0.003
		1-103	6/27/22	<0.5	<0.003
		1-103	1/4/23	<0.5	<0.003
		GMS Panel	6/22/23	<0.5	<0.003
		GMS Panel	1/5/24	<0.5	<0.003
		GMS Panel	**6/27/24**	**<0.5**	**<0.003**
		SE Area	**1/2/25**	**<0.5**	**<0.003**

TABLE 5

BUILDING AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Building	Room No. [(a)]	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL				**≥ 500**	**≥ 0.01**
BL-5	Classroom Building C	C-102 / 3-102	4/9/12	<0.5	<0.003
		C-103 / 3-103	4/10/12	<0.5	<0.003
		C-101 / 3-101	4/11/12	<0.5	<0.003
		C-102 / 3-102	4/12/12	<0.5	<0.003
		C-101 / 3-101	4/16/12	<0.5	<0.003
		3-102	7/11/12	<0.5	<0.003
		3-101	8/2/12	<0.5	<0.003
		3-101	9/15/12	<0.5	<0.003
		3-101	10/13/12	<0.5	<0.003
		3-103A	11/17/12	<0.5	<0.003
		3-101	12/8/12	<0.5	<0.003
		3-102	1/26/13	<0.5	<0.003
		3-103A	5/19/13	<0.5	<0.003
		3-103	9/21/13	<0.5	<0.003
		3-102	12/15/13	NS	<0.003
		3-102	12/18/13	<0.5	NS
		3-101	3/8/14	3.1 [(e)]	0.003
		3-102	6/14/14	<0.5	<0.003
		3-103A	9/13/14	<0.5	<0.003
		3-103	12/14/14	<0.5	<0.003
		3-101	8/11/15	<0.5	<0.003
		3-101	11/23/15	<0.5	<0.003
		3-101	6/14/16	<0.5	<0.003
		3-101	12/29/16	<0.5	<0.003
		3-101	12/29/16	<0.5	<0.003
		3-101	12/29/16	<0.5	<0.003
		3-101	6/28/17	<0.5	<0.003
		3-101	12/20/17	<0.5	<0.003
		3-101	6/19/18	<0.5	<0.003
		3-101	12/19/18	<0.5	<0.003
		3-101	6/25/19	<0.5	<0.003
		3-102	12/26/19	<0.5	<0.003
		3-102	7/14/20	<0.5	<0.003
		3-102	12/18/20	<0.5	<0.003
		3-102	6/24/21	<0.5	<0.003
		3-102	12/21/21	<0.5	<0.003
		3-102	6/27/22	<0.5	<0.003
		3-102	1/4/23	<0.5	<0.003
		3-102	6/22/23	<0.5	<0.003
		3-102	1/5/24	<0.5	<0.003
		Room 11	**6/27/24**	**<0.5**	**<0.003**
		Room 9	**1/2/25**	**<0.5**	**<0.003**
BL-6	Classroom Building C	C-105 / 3-105	4/9/12	<0.5	<0.003
		C-106 / 3-106	4/10/12	<0.5	<0.003
		C-105 / 3-105	4/11/12	<0.5	<0.003
		C-105 / 3-105	4/12/12	<0.5	<0.003
		C-105 / 3-105	4/16/12	<0.5	<0.003
		3-106	7/11/12	<0.5	<0.003
		3-105	8/2/12	<0.5	<0.003
		3-104	9/15/12	<0.5	<0.003
		3-104	10/13/12	<0.5	<0.003
		3-107	11/17/12	<0.5	<0.003
		3-104	12/8/12	<0.5	<0.003
		3-105	1/26/13	<0.5	<0.003
		3-107	5/19/13	<0.5	<0.003
		3-106	9/21/13	<0.5	<0.003
		3-107	12/15/13	NS	0.006
		3-107	12/18/13	<0.5	NS
		3-104	3/8/14	2.3 [(e)]	<0.003
		3-106	6/14/14	<0.5	<0.003
		3-107	9/13/14	<0.5	<0.003
		3-105	12/14/14	<0.5	<0.003
		3-105	8/11/15	<0.5	<0.003
		3-105	11/23/15	<0.5	<0.003
		3-105	6/14/16	<0.5	<0.003
		3-105	12/29/16	<0.5	<0.003
		3-105	6/28/17	<0.5	<0.003
		3-105	12/20/17	<0.5	<0.003
		3-105	6/19/18	<0.5	<0.003
		3-105	12/19/18	<0.5	<0.003
		3-105	6/25/19	<0.5	<0.003
		3-105	12/26/19	<0.5	<0.003
		3-105	7/14/20	<0.5	<0.003
		3-105	12/18/20	<0.5	<0.003
		3-105	6/24/21	<0.5	<0.003
		3-105	12/21/21	<0.5	<0.003
		3-105	6/27/22	<0.5	<0.003
		3-105	1/4/23	<0.5	<0.003
		Room 10	6/22/23	<0.5	<0.003
		Room 11	1/5/24	<0.5	<0.003
		Room 9	**6/27/24**	**<0.5**	**<0.003**
		Room 10	**1/2/25**	**<0.5**	**<0.003**

TABLE 5

BUILDING AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Building	Room No. [a]	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL				**≥ 500**	**≥ 0.01**
BL-7	Classroom Building B	B-102 / 2-106	4/9/12	<0.5	<0.003
		B-106 / 2-102	4/10/12	<0.5	<0.003
		B-104 / 2-105	4/11/12	<0.5	0.005 [b]
		B-104 / 2-105	6/12/12	NS	<0.003
		B-106 / 2-102	4/12/12	<0.5	<0.003
		B-103 / 2-104	4/16/12	<0.5	<0.003
		2-105	7/11/12	<0.5	<0.003
		2-102	8/2/12	<0.5	<0.003
		2-105	9/15/12	<0.5	<0.003
		2-102	10/13/12	<0.5	<0.003
		2-104	11/17/12	<0.5	<0.003
		2-103	12/8/12	<0.5	<0.003
		2-101	1/26/13	<0.5	<0.003
		2-106	5/19/13	<0.5	<0.003
		2-102	9/21/13	<0.5	<0.003
		2-101	12/15/13	NS	<0.003
		2-101	12/18/13	<0.5	NS
		2-103	3/8/14	2.5 [e]	<0.003
		2-105	6/14/14	<0.5	<0.003
		2-107	9/13/14	<0.5	<0.003
		2-102	12/14/14	<0.5	<0.003
		2-103	8/11/15	<0.5	<0.003
		2-103	11/23/15	<0.5	<0.003
		2-103	6/14/16	<0.5	<0.003
		2-103	12/29/16	<0.5	<0.003
		2-103	6/28/17	<0.5	<0.003
		2-103	12/20/17	<0.5	<0.003
		2-103	6/19/18	<0.5	<0.003
		2-103	12/19/18	<0.5	<0.003
		2-103	6/25/19	<0.5	<0.003
		2-103	12/26/19	<0.5	<0.003
		2-103	7/14/20	<0.5	<0.003
		2-103	12/18/20	<0.5	<0.003
		2-103	6/24/21	<0.5	<0.003
		2-103	12/21/21	<0.5	<0.003
		2-103	6/27/22	<0.5	<0.003
		2-103	1/4/23	<0.5	<0.003
		Restroom	6/22/23	<0.5	<0.003
		Restroom	1/5/24	<0.5	<0.003
		Restroom	**6/27/24**	**<0.5**	**<0.003**
		Restroom	**1/2/25**	**<0.5**	**<0.003**
MB-1	Modular Building 1	Classroom 27	8/14/17	<0.5	<0.003
		Crawlspace 27	8/14/17	<0.5	<0.003
		Classroom 27	10/9/17	<0.5	<0.003
		Crawlspace 27	10/9/17	<0.5	<0.003
		Classroom 27	12/20/17	<0.5	<0.003
		Crawlspace 27	12/20/17	<0.5	<0.003
		Classroom 27	6/19/18	<0.5	<0.003
		Crawlspace 27	6/19/18	<0.5	<0.003
		Classroom 27	12/19/18	<0.5	<0.003
		Crawlspace 27	12/19/18	<0.5	<0.003
		Classroom 27	6/25/19	<0.5	<0.003
		Crawlspace 27	6/25/19	<0.5	<0.003
		Classroom 27	12/26/19	<0.5	<0.003
		Crawlspace 27	12/26/19	<0.5	<0.003
		Classroom 27	7/14/20	<0.5	<0.003
		Crawlspace 27	7/14/20	<0.5	<0.003
		Classroom 27	12/18/20	<0.5	<0.003
		Crawlspace 27	12/18/20	<0.5	<0.003
		Classroom 27	6/24/21	<0.5	<0.003
		Crawlspace 27	6/24/21	<0.5	<0.003
		Classroom 27	12/21/21	<0.5	<0.003
		Crawlspace 27	12/21/21	<0.5	<0.003
		Classroom 27	6/27/22	<0.5	<0.003
		Crawlspace 27	6/27/22	<0.5	<0.003
		Classroom 27	1/4/23	<0.5	<0.003
		Crawlspace 27	1/4/23	<0.5	<0.003
		Classroom 27	6/22/23	<0.5	<0.003
		Crawlspace 27	6/22/23	<0.5	<0.003
		Classroom 27	1/5/24	<0.5	<0.003
		Crawlspace 27	1/5/24	<0.5	<0.003
		Classroom 27	**6/27/24**	**<0.5**	**<0.003**
		Crawlspace 27	**6/27/24**	**<0.5**	**<0.003**
		Classroom 27	**1/2/25**	**<0.5**	**<0.003**
		Crawlspace 27	**1/2/25**	**<0.5**	**<0.003**

TABLE 5

BUILDING AIRSPACE MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Building	Room No. [a]	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)
SSAL				**≥ 500**	**≥ 0.01**
MB-2	Modular Building 1	Classroom 28	8/14/17	<0.5	<0.003
		Crawlspace 28	8/14/17	<0.5	<0.003
		Classroom 28	10/9/17	<0.5	<0.003
		Crawlspace 28	10/9/17	<0.5	<0.003
		Classroom 28	12/20/17	<0.5	<0.003
		Crawlspace 28	12/20/17	<0.5	<0.003
		Classroom 28	6/19/18	<0.5	<0.003
		Crawlspace 28	6/19/18	<0.5	<0.003
		Classroom 28	12/19/18	<0.5	<0.003
		Crawlspace 28	12/19/18	<0.5	<0.003
		Classroom 28	6/25/19	<0.5	<0.003
		Crawlspace 28	6/25/19	<0.5	<0.003
		Classroom 28	12/26/19	<0.5	<0.003
		Crawlspace 28	12/26/19	<0.5	<0.003
		Classroom 28	7/14/20	<0.5	<0.003
		Crawlspace 28	7/14/20	<0.5	<0.003
		Classroom 28	12/18/20	<0.5	<0.003
		Crawlspace 28	12/18/20	<0.5	<0.003
		Classroom 28	6/24/21	<0.5	<0.003
		Crawlspace 28	6/24/21	<0.5	<0.003
		Classroom 28	12/21/21	<0.5	<0.003
		Crawlspace 28	12/21/21	<0.5	<0.003
		Classroom 28	6/27/22	<0.5	<0.003
		Crawlspace 28	6/27/22	<0.5	<0.003
		Classroom 28	1/4/23	<0.5	<0.003
		Crawlspace 28	1/4/23	<0.5	<0.003
		Classroom 28	6/22/23	<0.5	<0.003
		Crawlspace 28	6/22/23	<0.5	<0.003
		Classroom 28	1/5/24	<0.5	<0.003
		Crawlspace 28	1/5/24	<0.5	<0.003
		Classroom 28	**6/27/24**	**<0.5**	**<0.003**
		Crawlspace 28	**6/27/24**	**<0.5**	**<0.003**
		Classroom 28	**1/2/25**	**<0.5**	**<0.003**
		Crawlspace 28	**1/2/25**	**<0.5**	**<0.003**

ppmv = parts per million by volume
SSAL = site-specific action level
NS = not sampled
Note: Highlighted cells show current monitoring period results
Notes:
[a] Monitoring locations were identified by temporary room numbers during the start-up testing period (i.e., with letter designations A, B, C, E, L, and MP). Beginning with the Third Quarter 2012 O&M event (7/11/12), monitoring locations were identified by the permanent room numbers (i.e., with number designations 1 to 5).
[b] Measurement taken in bathroom with sewer gas odor that apparently was emanating from open floor drain
[c] Apparent interference from volatile paint emissions. A strong paint odor was reported inside the building at the time of monitoring and paints may contain sulfates/sulfides.
[d] Natural gas odor reported in adjacent kitchen. Kitchen area subsequently assessed for gas leaks on 10/10/13 and it was determined that the methane was originating from extinguished pilot lights on the stove (refer to Third Quarter 2013 O&M Report for details).
[e] The concentration of methane in background (ambient) air was measured at 3.5 ppmv on 3/8/14.

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-1	6	Hardscape	4/9/12	<0.5	<0.003	67	12.1	
			4/10/12	<0.5	<0.003	115	20.7	>60
			4/11/12	<0.5	<0.003	105	18.9	
			4/12/12	<0.5	<0.003	48	8.6	
			4/16/12	<0.5	<0.003	63	11.3	
			7/10/12	<0.5	<0.003	78	14.0	
			8/1/12	<0.5	<0.003	74	13.3	
			9/15/12	<0.5	<0.003	66	11.9	
			10/13/12	<0.5	<0.003	76	13.7	
			11/17/12	<0.5	<0.003	40	7.2	
			12/8/12	<0.5	<0.003	35	6.3	
			1/26/13	<0.5	<0.003	17	3.1	
			5/18/13	<0.5	<0.003	0	0.0	>240
			6/25/13	NA	NA	42	7.6	>240
			9/21/13	<0.5	<0.003	67	12.1	
			12/14/13	<0.5	<0.003	15	2.7	
			3/8/14	<0.5	<0.003	0	0.0	
			6/14/14	<0.5	<0.003	1	0.2	>300
			9/13/14	<0.5	<0.003	52	9.4	
			12/14/14	<0.5	<0.003	34	6.1	
			8/11/15	1.1	<0.003	77	13.9	
			11/23/15	6.0	<0.003	33	5.9	
			6/14/16	<0.5	<0.003	41	7.4	
			12/29/16	<0.5	<0.003	3	0.5	
			6/28/17	<0.5	<0.003	64	11.5	
			12/19/17	<0.5	<0.003	45	8.1	
			6/19/18	0.5	<0.003	71	12.8	
			12/19/18	<0.5	<0.003	36	6.5	
			6/25/19	<0.5	<0.003	23	4.1	
			12/26/19	<0.5	<0.003	56	10.1	
			7/14/20	1.8	<0.003	68	12.2	
			12/18/20	<0.5	<0.003	23	4.1	
			6/23/21	<0.5	<0.003	31	5.6	
			12/21/21	1.4	<0.003	10	1.8	
			6/27/22	<0.5	<0.003	20	3.6	
			1/6/23	<0.5	<0.003	28	5.0	
			6/21/23	<0.5	<0.003	35	6.3	
			1/3/24	1.0	<0.003	28	5.0	
			6/27/24	**<0.5**	**<0.003**	**31**	**5.6**	
			1/2/25	**0.8**	**<0.003**	**51**	**9.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-2	6	Hardscape	4/9/12	<0.5	<0.003	2	0.4	
			4/10/12	<0.5	<0.003	81	14.6	
			4/11/12	<0.5	<0.003	68	12.2	
			4/12/12	<0.5	<0.003	3	0.5	>60
			4/16/12	<0.5	<0.003	40	7.2	60
			7/10/12	<0.5	<0.003	6	1.1	50
			8/1/12	<0.5	<0.003	27	4.9	
			9/15/12	<0.5	<0.003	39	7.0	
			10/13/12	<0.5	<0.003	59	10.6	
			11/17/12	<0.5	<0.003	30	5.4	
			12/8/12	<0.5	<0.003	71	12.8	
			1/26/13	<0.5	<0.003	19	3.4	30
			5/18/13	<0.5	<0.003	0	0.0	
			6/25/13	NA	NA	27	4.9	
			9/21/13	<0.5	<0.003	66	11.9	
			12/14/13	<0.5	<0.003	7	1.3	
			3/8/14	<0.5	<0.003	0	0.0	
			6/14/14	<0.5	<0.003	1	0.2	
			9/13/14	<0.5	<0.003	26	4.7	
			12/14/14	<0.5	<0.003	47	8.5	
			8/11/15	<0.5	<0.003	55	9.9	
			11/23/15	2.0	<0.003	73	13.1	
			6/14/16	0.7	<0.003	56	10.1	
			12/29/16	<0.5	<0.003	20	3.6	
			6/28/17	0.5	<0.003	62	11.2	
			12/19/17	<0.5	<0.003	45	8.1	
			6/19/18	0.5	<0.003	64	11.5	
			12/19/18	<0.5	<0.003	25	4.5	
			6/25/19	<0.5	<0.003	28	5.0	
			12/26/19	0.8	<0.003	43	7.7	
			7/14/20	1.1	<0.003	66	11.9	
			12/18/20	<0.5	<0.003	55	9.9	
			6/23/21	<0.5	<0.003	27	4.9	
			12/21/21	1.1	<0.003	36	6.5	
			6/27/22	<0.5	<0.003	38	6.8	
			1/6/23	<0.5	<0.003	36	6.5	
			6/21/23	<0.5	<0.003	29	5.2	
			1/3/24	<0.5	<0.003	35	6.3	
			6/27/24	**<0.5**	**<0.003**	**34**	**6.1**	
			1/2/25	**0.5**	**<0.003**	**48**	**8.6**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-3	6	Hardscape	4/9/12	<0.5	<0.003	39	7.0	12
			4/10/12	<0.5	<0.003	57	10.3	
			4/11/12	<0.5	<0.003	95	17.1	40
			4/12/12	<0.5	<0.003	42	7.6	15
			4/16/12	<0.5	<0.003	5	0.9	13
			7/10/12	<0.5	<0.003	40	7.2	
			8/1/12	<0.5	<0.003	33	5.9	
			9/15/12	<0.5	<0.003	55	9.9	
			10/13/12	<0.5	<0.003	68	12.2	
			11/17/12	<0.5	<0.003	53	9.5	
			12/8/12	<0.5	<0.003	64	11.5	
			1/26/13	<0.5	<0.003	32	5.8	
			5/18/13	<0.5	<0.003	51	9.2	
			9/21/13	<0.5	<0.003	74	13.3	
			12/14/13	0.8	<0.003	36	6.5	
			3/8/14	<0.5	<0.003	9	1.6	
			6/14/14	<0.5	<0.003	60	10.8	
			9/13/14	<0.5	<0.003	38	6.8	
			12/14/14	<0.5	<0.003	53	9.5	
			8/11/15	<0.5	<0.003	69	12.4	
			11/23/15	2.4	<0.003	57	10.3	
			6/14/16	<0.5	<0.003	58	10.4	
			12/29/16	<0.5	<0.003	25	4.5	
			6/28/17	<0.5	<0.003	54	9.7	
			12/19/17	<0.5	<0.003	46	8.3	
			6/19/18	0.7	<0.003	24	4.3	
			12/19/18	<0.5	<0.003	52	9.4	
			6/25/19	<0.5	<0.003	32	5.8	
			12/26/19	<0.5	<0.003	48	8.6	
			7/14/20	1.9	<0.003	56	10.1	
			12/18/20	<0.5	<0.003	41	7.4	
			6/23/21	0.6	<0.003	25	4.5	
			12/21/21	1.5	<0.003	24	4.3	
			6/27/22	<0.5	<0.003	44	7.9	
			1/6/23	0.5	<0.003	42	7.6	
			6/21/23	1.0	<0.003	25	4.5	
			1/3/24	<0.5	<0.003	30	5.4	
			6/27/24	**<0.5**	**<0.003**	**37**	**6.7**	
			1/2/25	**<0.5**	**<0.003**	**45**	**8.1**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-4	6	Hardscape	4/9/12	<0.5	0.004	5	0.9	>60
			4/10/12	<0.5	<0.003	45	8.1	>60
			4/11/12	<0.5	<0.003	43	7.7	
			4/12/12	<0.5	<0.003	26	4.7	>60
			4/16/12	<0.5	<0.003	48	8.6	
			7/10/12	<0.5	<0.003	50	9.0	
			8/1/12	<0.5	<0.003	85	15.3	
			9/15/12	<0.5	<0.003	45	8.1	
			10/13/12	<0.5	<0.003	68	12.2	
			11/17/12	<0.5	<0.003	32	5.8	
			12/8/12	<0.5	<0.003	34	6.1	
			1/26/13	<0.5	<0.003	11	2.0	50
			5/18/13	<0.5	<0.003	60	10.8	
			9/21/13	<0.5	<0.003	62	11.2	
			12/14/13	<0.5	<0.003	39	7.0	
			3/8/14	<0.5	<0.003	5	0.9	
			6/14/14	<0.5	<0.003	84	15.1	
			9/13/14	<0.5	<0.003	30	5.4	
			12/14/14	<0.5	<0.003	40	7.2	
			8/11/15	0.9	<0.003	63	11.3	
			11/23/15	3.8	<0.003	56	10.1	
			6/14/16	<0.5	<0.003	59	10.6	
			12/29/16	<0.5	<0.003	30	5.4	
			6/28/17	1	<0.003	9	1.6	
			12/19/17	<0.5	0.003	35	6.3	
			6/19/18	0.8	<0.003	59	10.6	
			12/19/18	<0.5	<0.003	42	7.6	
			6/25/19	<0.5	<0.003	29	5.2	
			12/26/19	<0.5	<0.003	61	11.0	
			7/14/20	0.8	<0.003	70	12.6	
			12/18/20	<0.5	<0.003	52	9.4	
			6/23/21	<0.5	<0.003	25	4.5	
			12/21/21	0.6	<0.003	24	4.3	
			6/27/22	<0.5	<0.003	64	11.5	
			1/6/23	<0.5	<0.003	40	7.2	
			6/21/23	<0.5	<0.003	50	9.0	
			1/3/24	0.5	<0.003	40	7.2	
			6/27/24	**<0.5**	**<0.003**	**38**	**6.8**	
			1/2/25	**0.5**	**<0.003**	**40**	**7.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-5	6	Hardscape	4/9/12	<0.5	<0.003	57	10.3	11
			4/10/12	<0.5	<0.003	53	9.5	
			4/11/12	<0.5	<0.003	45	8.1	
			4/12/12	<0.5	<0.003	56	10.1	
			4/16/12	<0.5	<0.003	29	5.2	
			7/10/12	<0.5	<0.003	75	13.5	
			8/1/12	<0.5	<0.003	75	13.5	
			9/15/12	<0.5	<0.003	95	17.1	
			10/13/12	<0.5	<0.003	93	16.7	
			11/17/12	<0.5	<0.003	95	17.1	
			12/8/12	<0.5	<0.003	64	11.5	
			1/26/13	<0.5	<0.003	41	7.4	
			5/18/13	<0.5	<0.003	41	7.4	
			9/21/13	<0.5	<0.003	75	13.5	
			12/14/13	0.6	<0.003	30	5.4	
			3/8/14	<0.5	<0.003	46	8.3	
			6/14/14	<0.5	<0.003	86	15.5	
			9/13/14	<0.5	<0.003	58	10.4	
			12/14/14	<0.5	<0.003	68	12.2	
			8/11/15	0.5	<0.003	60	10.8	
			11/23/15	4.3	<0.003	96	17.3	
			6/14/16	<0.5	<0.003	60	10.8	
			12/29/16	<0.5	<0.003	80	14.4	
			6/28/17	<0.5	<0.003	50	9.0	
			12/19/17	<0.5	<0.003	60	10.8	
			6/19/18	0.9	<0.003	89	16.0	
			12/19/18	<0.5	<0.003	75	13.5	
			6/25/19	<0.5	<0.003	31	5.6	
			12/26/19	<0.5	<0.003	52	9.4	
			7/14/20	0.7	<0.003	74	13.3	
			12/18/20	<0.5	<0.003	38	6.8	
			6/23/21	<0.5	<0.003	47	8.5	
			12/21/21	<0.5	<0.003	65	11.7	
			6/27/22	0.5	<0.003	25	4.5	
			1/6/23	<0.5	<0.003	45	8.1	
			6/21/23	<0.5	<0.003	32	5.8	
			1/3/24	<0.5	<0.003	65	11.7	
			6/27/24	**1.5**	**<0.003**	**50**	**9.0**	
			1/2/25	**1.0**	**<0.003**	**38**	**6.8**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-6	6	Hardscape	4/9/12	<0.5	<0.003	46	8.3	>60
			4/10/12	<0.5	0.005	52	9.4	
			4/11/12	<0.5	<0.003	48	8.6	8
			4/12/12	<0.5	<0.003	43	7.7	
			4/16/12	<0.5	<0.003	31	5.6	
			7/10/12	<0.5	<0.003	46	8.3	
			8/1/12	<0.5	<0.003	54	9.7	
			9/15/12	<0.5	<0.003	37	6.7	
			10/13/12	<0.5	<0.003	63	11.3	
			11/17/12	<0.5	<0.003	70	12.6	
			12/8/12	<0.5	<0.003	31	5.6	
			1/26/13	<0.5	<0.003	8	1.4	
			5/18/13	<0.5	<0.003	64	11.5	
			9/21/13	<0.5	<0.003	50	9.0	
			12/14/13	<0.5	<0.003	56	10.1	
			3/8/14	3.3	<0.003	22	4.0	
			6/14/14	<0.5	<0.003	85	15.3	
			9/13/14	<0.5	<0.003	46	8.3	
			12/14/14	<0.5	<0.003	43	7.7	
			8/11/15	1.3	<0.003	82	14.8	
			11/23/15	5.1	<0.003	8	1.4	
			6/14/16	<0.5	<0.003	54	9.7	
			12/29/16	<0.5	<0.003	40	7.2	
			6/28/17	<0.5	<0.003	25	4.5	
			12/19/17	<0.5	<0.003	21	3.8	
			6/19/18	<0.5	<0.003	64	11.5	
			12/19/18	<0.5	<0.003	54	9.7	
			6/25/19	<0.5	<0.003	27	4.9	
			12/26/19	<0.5	<0.003	21	3.8	
			7/14/20	2.5	<0.003	35	6.3	
			12/18/20	<0.5	<0.003	46	8.3	
			6/23/21	<0.5	<0.003	41	7.4	
			12/21/21	2.1	<0.003	19	3.4	
			6/27/22	<0.5	<0.003	28	5.0	
			1/6/23	2.5	<0.003	35	6.3	
			6/21/23	<0.5	<0.003	40	7.2	
			1/3/24	0.8	<0.003	35	6.3	
			6/27/24	**<0.5**	**<0.003**	**15**	**2.7**	
			1/2/25	**<0.5**	**<0.003**	**18**	**3.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-7	6	Hardscape	4/9/12	<0.5	<0.003	80	14.4	6
			4/10/12	<0.5	<0.003	75	13.5	10
			4/11/12	<0.5	<0.003	119	21.4	
			4/12/12	<0.5	<0.003	41	7.4	14
			4/16/12	<0.5	<0.003	60	10.8	
			7/10/12	<0.5	<0.003	67	12.1	
			8/1/12	<0.5	<0.003	87	15.7	
			9/15/12	<0.5	<0.003	25	4.5	
			10/13/12	<0.5	<0.003	44	7.9	
			11/17/12	<0.5	<0.003	90	16.2	
			12/8/12	<0.5	<0.003	67	12.1	
			1/26/13	<0.5	<0.003	28	5.0	
			5/18/13	<0.5	<0.003	88	15.8	
			9/21/13	<0.5	<0.003	56	10.1	
			12/14/13	Sample not collected -- sample port blocked				
			3/8/14	Sample not collected -- sample port blocked				
			6/14/14	<0.5	<0.003	50	9.0	
			9/13/14	<0.5	<0.003	21	3.8	
			12/14/14	<0.5	<0.003	43	7.7	
			8/11/15	3.1	<0.003	70	12.6	
			11/23/15	4.4	0.004	8	1.4	
			6/14/16	Sample not collected -- sample port blocked				
			12/29/16	Sample not collected -- sample port blocked				
			6/28/17	<0.5	<0.003	10	1.8	
			12/19/17	<0.5	<0.003	11	2.0	
			6/19/18	<0.5	<0.003	51	9.2	
			12/19/18	0.5	<0.003	24	4.3	
			6/25/19	Sample not collected -- port plugged				
			12/26/19	Sample not collected -- port plugged				
			7/14/20	Sample not collected -- port plugged				
			12/18/20	<0.5	<0.003	27	4.9	
			6/23/21	Sample not collected -- port plugged				
			12/21/21	2.1	<0.003	19	3.4	
			6/27/22	<0.5	<0.003	33	5.9	
			1/6/23	<0.5	<0.003	55	9.9	
			6/21/23	<0.5	<0.003	30	5.4	
			1/3/24	Sample not collected -- port plugged				
			6/27/24	**<0.5**	**<0.003**	**18**	**3.2**	
			1/2/25	**<0.5**	**<0.003**	**35**	**6.3**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-8	6	Hardscape	4/9/12	<0.5	<0.003	79	14.2	>60
			4/10/12	<0.5	<0.003	79	14.2	>60
			4/11/12	<0.5	<0.003	85	15.3	>60
			4/12/12	0.5	<0.003	72	13.0	>60
			4/16/12	<0.5	<0.003	30	5.4	
			7/10/12	<0.5	<0.003	69	12.4	
			8/1/12	<0.5	<0.003	62	11.2	
			9/15/12	<0.5	<0.003	39	7.0	
			10/13/12	<0.5	<0.003	55	9.9	
			11/17/12	<0.5	<0.003	41	7.4	
			12/8/12	<0.5	<0.003	58	10.4	
			1/26/13	<0.5	<0.003	38	6.8	
			5/18/13	<0.5	<0.003	64	11.5	
			9/21/13	<0.5	<0.003	47	8.5	
			12/14/13	<0.5	<0.003	67	12.1	
			3/8/14	3.1	<0.003	14	2.5	
			6/14/14	<0.5	<0.003	64	11.5	
			9/13/14	<0.5	<0.003	41	7.4	
			12/14/14	<0.5	<0.003	49	8.8	
			8/11/15	1.3	<0.003	8	1.4	
			11/23/15	3.8	<0.003	25	4.5	
			6/14/16	<0.5	<0.003	56	10.1	
			12/29/16	Sample not collected -- sample port blocked				
			6/28/17	<0.5	<0.003	12	2.2	
			12/19/17	<0.5	<0.003	30	5.4	
			6/19/18	<0.5	<0.003	60	10.8	
			12/19/18	<0.5	<0.003	15	2.7	
			6/25/19	Sample not collected -- port plugged				
			12/26/19	Sample not collected -- port plugged				
			7/14/20	Sample not collected -- port plugged				
			12/18/20	Sample not collected -- port plugged				
			6/23/21	Sample not collected -- port plugged				
			12/21/21	1.1	<0.003	24	4.3	
			6/27/22	0.8	<0.003	56	10.1	
			1/6/23	3.5	<0.003	32	5.8	
			6/21/23	<0.5	<0.003	35	6.3	
			1/3/24	4.0	<0.003	29	5.2	
			6/27/24	**<0.5**	**<0.003**	**59**	**10.6**	
			1/2/25	**0.5**	**<0.003**	**30**	**5.4**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-9	6	Hardscape	4/9/12	<0.5	<0.003	64	11.5	
			4/10/12	<0.5	<0.003	72	13.0	
			4/11/12	<0.5	<0.003	20	3.6	
			4/12/12	<0.5	<0.003	39	7.0	
			4/16/12	<0.5	<0.003	8	1.4	
			7/10/12	<0.5	<0.003	61	11.0	
			8/1/12	<0.5	<0.003	58	10.4	
			9/15/12	<0.5	<0.003	71	12.8	
			10/13/12	<0.5	<0.003	108	19.4	
			11/17/12	<0.5	<0.003	44	7.9	
			12/8/12	2.6	<0.003	80	14.4	
			1/26/13	<0.5	<0.003	81	14.6	30
			5/18/13	<0.5	<0.003	68	12.2	
			9/21/13	<0.5	<0.003	29	5.2	
			12/14/13	<0.5	<0.003	57	10.3	
			3/8/14	<0.5	<0.003	25	4.5	
			6/14/14	<0.5	<0.003	42	7.6	
			9/13/14	<0.5	<0.003	27	4.9	
			12/14/14	<0.5	<0.003	94	16.9	
			8/11/15	<0.5	0.005	30	5.4	
			11/23/15	2.2	<0.003	56	10.1	
			6/14/16	<0.5	<0.003	52	9.4	
			12/29/16	<0.5	<0.003	16	2.9	
			6/28/17	<0.5	<0.003	18	3.2	
			12/19/17	<0.5	<0.003	26	4.7	
			6/19/18	<0.5	<0.003	61	11.0	
			12/19/18	<0.5	<0.003	31	5.6	
			6/25/19	<0.5	<0.003	16	2.9	
			12/26/19	<0.5	<0.003	45	8.1	
			7/14/20	1.3	<0.003	30	5.4	
			12/18/20	<0.5	<0.003	22	4.0	
			6/23/21	<0.5	<0.003	35	6.3	
			12/21/21	<0.5	<0.003	32	5.8	
			6/27/22	<0.5	<0.003	40	7.2	
			1/6/23	<0.5	<0.003	38	6.8	
			6/21/23	<0.5	<0.003	25	4.5	
			1/3/24	<0.5	<0.003	35	6.3	
			6/27/24	**<0.5**	**<0.003**	**10**	**1.8**	
			1/2/25	**<0.5**	**<0.003**	**32**	**5.8**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-10	6	Hardscape	4/9/12	<0.5	<0.003	57	10.3	
			4/10/12	<0.5	<0.003	49	8.8	
			4/11/12	<0.5	<0.003	36	6.5	
			4/12/12	0.5	<0.003	3	0.5	5
			4/16/12	<0.5	<0.003	43	7.7	
			7/10/12	<0.5	<0.003	47	8.5	
			8/1/12	<0.5	<0.003	20	3.6	
			9/15/12	<0.5	<0.003	28	5.0	
			10/13/12	<0.5	<0.003	27	4.9	
			11/17/12	<0.5	<0.003	30	5.4	
			12/8/12	<0.5	<0.003	36	6.5	
			1/26/13	<0.5	<0.003	2	0.4	270
			5/18/13	<0.5	<0.003	13	2.3	
			9/21/13	<0.5	<0.003	33	5.9	
			12/14/13	1.1	<0.003	4	0.7	
			3/8/14	<0.5	<0.003	8	1.4	>180
			6/14/14	<0.5	<0.003	77	13.9	
			9/13/14	<0.5	<0.003	51	9.2	
			12/14/14	<0.5	<0.003	47	8.5	
			8/11/15	0.9	<0.003	58	10.4	
			11/23/15	<0.5	<0.003	9	1.6	
			6/14/16	<0.5	<0.003	47	8.5	
			12/29/16	<0.5	<0.003	46	8.3	
			6/28/17	<0.5	<0.003	15	2.7	
			12/19/17	<0.5	<0.003	42	7.6	
			6/19/18	<0.5	<0.003	62	11.2	
			12/19/18	<0.5	<0.003	45	8.1	
			6/25/19	<0.5	<0.003	43	7.7	
			12/26/19	<0.5	<0.003	38	6.8	
			7/14/20	1.2	<0.003	10	1.8	
			12/18/20	<0.5	<0.003	70	12.6	
			6/23/21	5.7	<0.003	22	4.0	
			12/21/21	<0.5	<0.003	8	1.4	
			6/27/22	1.0	<0.003	38	6.8	
			1/6/23	1.0	<0.003	21	3.8	
			6/21/23	1.5	<0.003	42	7.6	
			1/3/24	<0.5	<0.003	25	4.5	
			6/27/24	**2.0**	**<0.003**	**46**	**8.3**	
			1/2/25	**10.5**	**<0.003**	**18**	**3.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-11	6	Hardscape	4/9/12	<0.5	<0.003	65	11.7	>60
			4/10/12	<0.5	<0.003	78	14.0	
			4/11/12	<0.5	<0.003	50	9.0	8
			4/12/12	0.5	<0.003	31	5.6	
			4/16/12	<0.5	<0.003	31	5.6	6
			7/10/12	<0.5	<0.003	33	5.9	
			8/1/12	<0.5	<0.003	25	4.5	
			9/15/12	<0.5	<0.003	30	5.4	
			10/13/12	<0.5	<0.003	49	8.8	
			11/17/12	<0.5	<0.003	25	4.5	
			12/8/12	<0.5	<0.003	35	6.3	
			1/26/13	<0.5	<0.003	9	1.6	120
			5/18/13	<0.5	<0.003	42	7.6	
			9/21/13	<0.5	<0.003	62	11.2	
			12/14/13	<0.5	<0.003	8	1.4	
			3/8/14	<0.5	<0.003	32	5.8	
			6/14/14	<0.5	<0.003	53	9.5	
			9/13/14	<0.5	<0.003	62	11.2	
			12/14/14	<0.5	<0.003	42	7.6	
			8/11/15	1.3	<0.003	69	12.4	
			11/23/15	<0.5	<0.003	25	4.5	
			6/14/16	<0.5	<0.003	45	8.1	
			12/29/16	<0.5	<0.003	10	1.8	
			6/28/17	<0.5	<0.003	44	7.9	
			12/19/17	<0.5	<0.003	26	4.7	
			6/19/18	1.1	<0.003	30	5.4	
			12/19/18	<0.5	<0.003	38	6.8	
			6/25/19	<0.5	<0.003	42	7.6	
			12/26/19	1.0	<0.003	61	11.0	
			7/14/20	1.9	<0.003	33	5.9	
			12/18/20	0.5	<0.003	55	9.9	
			6/23/21	0.5	<0.003	51	9.2	
			12/21/21	<0.5	<0.003	20	3.6	
			6/27/22	1.2	<0.003	52	9.4	
			1/6/23	<0.5	<0.003	44	7.9	
			6/21/23	<0.5	<0.003	29	5.2	
			1/3/24	1.2	<0.003	48	8.6	
			6/27/24	**2.0**	**<0.003**	**35**	**6.3**	
			1/2/25	**1.0**	**<0.003**	**27**	**4.9**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-12	6	Hardscape	4/9/12	<0.5	<0.003	30	5.4	>60
			4/10/12	<0.5	<0.003	56	10.1	35
			4/11/12	<0.5	<0.003	39	7.0	10
			4/12/12	<0.5	<0.003	20	3.6	
			4/16/12	<0.5	<0.003	9	1.6	
			7/10/12	<0.5	<0.003	32	5.8	
			8/1/12	<0.5	<0.003	28	5.0	
			9/15/12	<0.5	<0.003	2	0.4	>300
			10/13/12	<0.5	<0.003	20	3.6	
			11/17/12	<0.5	<0.003	23	4.1	
			12/8/12	<0.5	<0.003	27	4.9	
			1/26/13	<0.5	<0.003	2	0.4	>300
			5/18/13	<0.5	<0.003	22	4.0	
			9/21/13	<0.5	<0.003	58	10.4	
			12/14/13	<0.5	<0.003	6	1.1	
			3/8/14	<0.5	<0.003	22	4.0	
			6/14/14	<0.5	<0.003	96	17.3	
			9/13/14	<0.5	<0.003	41	7.4	
			12/14/14	<0.5	<0.003	22	4.0	
			8/11/15	<0.5	0.004	15	2.7	
			11/23/15	<0.5	<0.003	6	1.1	
			6/14/16	<0.5	<0.003	27	4.9	
			12/29/16	<0.5	<0.003	62	11.2	
			6/28/17	<0.5	<0.003	24	4.3	
			12/19/17	<0.5	<0.003	34	6.1	
			6/19/18	0.9	<0.003	33	5.9	
			12/19/18	<0.5	<0.003	49	8.8	
			6/25/19	<0.5	<0.003	39	7.0	
			12/26/19	<0.5	<0.003	51	9.2	
			7/14/20	<0.5	<0.003	5	0.9	
			12/18/20	<0.5	<0.003	45	8.1	
			6/23/21	<0.5	<0.003	41	7.4	
			12/21/21	<0.5	<0.003	16	2.9	
			6/27/22	<0.5	<0.003	55	9.9	
			1/6/23	<0.5	<0.003	39	7.0	
			6/21/23	<0.5	<0.003	38	6.8	
			1/3/24	<0.5	<0.003	59	10.6	
			6/27/24	**<0.5**	**<0.003**	**33**	**5.9**	
			1/2/25	**<0.5**	**<0.003**	**25**	**4.5**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-13	6	Hardscape	4/9/12	<0.5	<0.003	28	5.0	21
			4/11/12	<0.5	<0.003	88	15.8	
			4/12/12	<0.5	<0.003	54	9.7	>60
			4/16/12	<0.5	<0.003	42	7.6	16
			7/10/12	<0.5	<0.003	45	8.1	
			8/1/12	<0.5	<0.003	63	11.3	
			9/15/12	<0.5	<0.003	1	0.2	>300
			10/13/12	<0.5	<0.003	50	9.0	
			11/17/12	<0.5	<0.003	45	8.1	
			12/8/12	<0.5	<0.003	50	9.0	
			1/26/13	<0.5	<0.003	32	5.8	
			5/18/13	<0.5	<0.003	51	9.2	
			9/21/13	<0.5	<0.003	77	13.9	
			12/14/13	43.3	<0.003	9	1.6	
			3/8/14	9.5	<0.003	17	3.1	
			6/14/14	<0.5	<0.003	38	6.8	
			9/13/14	<0.5	<0.003	33	5.9	
			12/14/14	<0.5	<0.003	44	7.9	
			8/11/15	<0.5	0.006	69	12.4	
			11/23/15	<0.5	<0.003	16	2.9	
			6/14/16	<0.5	<0.003	52	9.4	
			12/29/16	<0.5	<0.003	28	5.0	
			6/28/17	<0.5	<0.003	45	8.1	
			12/19/17	<0.5	<0.003	33	5.9	
			6/19/18	0.8	<0.003	73	13.1	
			12/19/18	<0.5	<0.003	18	3.2	
			6/25/19	<0.5	<0.003	29	5.2	
			12/26/19	0.5	<0.003	4	0.7	
			7/14/20	0.5	<0.003	25	4.5	
			12/18/20	<0.5	<0.003	39	7.0	
			6/23/21	<0.5	<0.003	38	6.8	
			12/21/21	<0.5	<0.003	28	5.0	
			6/27/22	<0.5	<0.003	21	3.8	
			1/6/23	0.7	<0.003	40	7.2	
			6/21/23	<0.5	<0.003	43	7.7	
			1/3/24	<0.5	<0.003	46	8.3	
			6/27/24	**<0.5**	**<0.003**	**30**	**5.4**	
			1/2/25	**<0.5**	**<0.003**	**55**	**9.9**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-14	6	Hardscape	4/9/12	<0.5	<0.003	33	5.9	
			4/10/12	<0.5	<0.003	68	12.2	
			4/11/12	<0.5	<0.003	95	17.1	
			4/12/12	<0.5	<0.003	36	6.5	
			4/16/12	1.3	<0.003	34	6.1	
			7/10/12	<0.5	<0.003	35	6.3	
			8/1/12	<0.5	<0.003	15	2.7	
			9/15/12	7.1	<0.003	5	0.9	
			10/13/12	<0.5	<0.003	43	7.7	
			11/17/12	3.4	<0.003	16	2.9	
			12/8/12	<0.5	<0.003	42	7.6	
			1/26/13	<0.5	<0.003	35	6.3	
			5/18/13	<0.5	<0.003	96	17.3	
			9/21/13	<0.5	<0.003	36	6.5	
			12/14/13	65.7	<0.003	5	0.9	
			3/8/14	23.9	<0.003	26	4.7	
			6/14/14	<0.5	<0.003	80	14.4	
			9/13/14	<0.5	<0.003	58	10.4	
			12/14/14	<0.5	<0.003	24	4.3	
			8/11/15	Sample not collected -- key broke				
			11/23/15	<0.5	<0.003	20	3.6	
			6/14/16	<0.5	<0.003	17	3.06	
			12/29/16	<0.5	<0.003	22	3.96	
			6/28/17	<0.5	<0.003	10	1.8	
			12/19/17	<0.5	<0.003	10	1.8	
			6/19/18	0.5	<0.003	25	4.5	
			12/19/18	<0.5	<0.003	35	6.3	
			6/25/19	<0.5	<0.003	28	5.0	
			12/26/19	<0.5	<0.003	48	8.6	
			7/14/20	<0.5	<0.003	42	7.6	
			12/18/20	<0.5	<0.003	60	10.8	
			6/23/21	<0.5	<0.003	25	4.5	
			12/21/21	<0.5	<0.003	25	4.5	
			6/27/22	<0.5	<0.003	36	6.5	
			1/6/23	<0.5	<0.003	35	6.3	
			6/21/23	0.5	<0.003	52	9.4	
			1/3/24	1.0	<0.003	39	7.0	
			6/27/24	**<0.5**	**<0.003**	**38**	**6.8**	
			1/2/25	**<0.5**	**<0.003**	**49**	**8.8**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-15	6	Hardscape	4/9/12	<0.5	<0.003	1	0.2	>60
			4/10/12	<0.5	<0.003	15	2.7	>60
			4/12/12	<0.5	<0.003	1	0.2	
			4/16/12	<0.5	<0.003	15	2.7	>60
			7/10/12	<0.5	<0.003	40	7.2	
			8/1/12	<0.5	<0.003	57	10.3	
			9/15/12	<0.5	<0.003	3	0.5	
			10/13/12	<0.5	<0.003	27	4.9	
			11/17/12	<0.5	<0.003	32	5.8	
			12/8/12	<0.5	<0.003	51	9.2	
			1/26/13	<0.5	<0.003	2	0.4	30
			5/18/13	<0.5	<0.003	24	4.3	
			9/21/13	<0.5	<0.003	95	17.1	
			12/14/13	<0.5	<0.003	0	0.0	
			3/8/14	<0.5	<0.003	18	3.2	
			6/14/14	<0.5	<0.003	26	4.7	
			9/13/14	<0.5	<0.003	43	7.7	
			12/14/14	<0.5	<0.003	5	0.9	>300
			8/11/15	<0.5	<0.003	27	4.9	
			11/23/15	<0.5	<0.003	6	1.1	
			6/14/16	<0.5	<0.003	1	0.2	
			12/29/16	<0.5	<0.003	50	9.0	
			6/28/17	<0.5	<0.003	35	6.3	
			12/19/17	<0.5	<0.003	2	0.4	
			6/19/18	0.5	<0.003	51	9.2	
			12/19/18	0.6	<0.003	21	3.8	
			6/25/19	<0.5	<0.003	40	7.2	
			12/26/19	<0.5	<0.003	43	7.7	
			7/14/20	0.5	<0.003	28	5.0	
			12/18/20	<0.5	<0.003	65	11.7	
			6/23/21	<0.5	<0.003	51	9.2	
			12/21/21	0.5	<0.003	15	2.7	
			6/27/22	<0.5	<0.003	20	3.6	
			1/6/23	<0.5	<0.003	32	5.8	
			6/21/23	<0.5	<0.003	28	5.0	
			1/3/24	0.5	<0.003	25	4.5	
			6/27/24	**<0.5**	**<0.003**	**25**	**4.5**	
			1/2/25	**<0.5**	**<0.003**	**39**	**7.0**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VL-16	6	Hardscape	4/9/12	<0.5	<0.003	36	6.5	
			4/10/12	<0.5	<0.003	37	6.7	
			4/11/12	<0.5	<0.003	32	5.8	
			4/12/12	<0.5	<0.003	15	2.7	
			4/16/12	<0.5	<0.003	80	14.4	
			7/10/12	<0.5	<0.003	44	7.9	
			8/1/12	<0.5	<0.003	68	12.2	
			9/15/12	<0.5	<0.003	28	5.0	
			10/13/12	<0.5	<0.003	34	6.1	
			11/17/12	<0.5	<0.003	28	5.0	
			12/8/12	<0.5	<0.003	49	8.8	
			1/26/13	<0.5	<0.003	1	0.2	>300
			5/18/13	<0.5	<0.003	77	13.9	
			9/21/13	<0.5	<0.003	51	9.2	
			12/14/13	0.6	<0.003	2	0.4	
			3/8/14	<0.5	<0.003	2	0.4	
			6/14/14	<0.5	<0.003	92	16.6	
			9/13/14	<0.5	<0.003	12	2.2	
			12/14/14	<0.5	<0.003	5	0.9	>300
			8/11/15	1.1	0.005	35	6.3	
			11/23/15	2.2	<0.003	30	5.4	
			6/14/16	<0.5	<0.003	46	8.3	
			12/29/16	<0.5	<0.003	32	5.8	
			6/28/17	<0.5	<0.003	35	6.3	
			12/19/17	<0.5	<0.003	8	1.4	
			6/19/18	0.5	<0.003	45	8.1	
			12/19/18	0.9	<0.003	25	4.5	
			6/25/19	<0.5	<0.003	42	7.6	
			12/26/19	<0.5	<0.003	35	6.3	
			7/14/20	<0.5	<0.003	36	6.5	
			12/18/20	<0.5	<0.003	25	4.5	
			6/23/21	<0.5	<0.003	16	2.9	
			12/21/21	1.1	<0.003	18	3.2	
			6/27/22	<0.5	<0.003	45	8.1	
			1/6/23	<0.5	<0.003	43	7.7	
			6/21/23	<0.5	<0.003	25	4.5	
			1/3/24	0.8	<0.003	32	5.8	
			6/27/24	**<0.5**	**<0.003**	**20**	**3.6**	
			1/2/25	**<0.5**	**<0.003**	**40**	**7.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VM-1	4	Deep Vent Well	4/9/12	6.5	<0.003	6	0.5	
			4/10/12	<0.5	<0.003	4	0.3	
			4/11/12	0.8	<0.003	2	0.2	
			4/12/12	0.7	<0.003	5	0.4	
			4/16/12	<0.5	<0.003	0	0.0	
			7/10/12	<0.5	<0.003	0	0.0	>120
			8/1/12	<0.5	<0.003	1	0.1	
			9/15/12	1.1	<0.003	3	0.2	
			10/13/12	<0.5	<0.003	3	0.2	
			11/17/12	<0.5	<0.003	3	0.2	
			12/8/12	<0.5	<0.003	1	0.1	
			1/26/13	<0.5	<0.003	1	0.1	
			5/18/13	<0.5	<0.003	0	0.0	
			9/21/13	<0.5	0.004	2	0.2	
			12/14/13	1.5	<0.003	1	0.1	
			3/8/14	<0.5	<0.003	0	0.0	
			6/14/14	<0.5	<0.003	0	0.0	
			9/13/14	<0.5	<0.003	0	0.0	
			12/14/14	<0.5	<0.003	1	0.1	
			8/11/15	2.0	<0.003	10	0.8	
			11/23/15	<0.5	<0.003	3	0.2	
			6/14/16	<0.5	<0.003	2	0.2	
			12/29/16	<0.5	<0.003	8	0.6	
			6/28/17	<0.5	<0.003	2	0.2	
			12/19/17	<0.5	<0.003	23	1.8	
			6/19/18	1.1	<0.003	10	0.8	
			12/19/18	2	<0.003	15	1.2	
			6/25/19	<0.5	<0.003	12	0.9	
			12/26/19	<0.5	<0.003	10	0.8	
			7/14/20	2.9	<0.003	8	0.6	
			12/18/20	0.5	<0.003	5	0.4	
			6/23/21	<0.5	<0.003	10	0.8	
			12/21/21	<0.5	<0.003	6	0.5	
			6/27/22	0.5	<0.003	10	0.8	
			1/6/23	1.5	<0.003	15	1.2	
			6/21/23	<0.5	<0.003	16	1.2	
			1/3/24	1.0	<0.003	8	0.6	
			6/27/24	**<0.5**	**<0.003**	**2**	**0.2**	
			1/2/25	**<0.5**	**<0.003**	**15**	**1.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VM-2	4	Deep Vent Well	4/9/12	125	<0.003	0	0.0	
			4/10/12	137	<0.003	1	0.1	
			4/11/12	354	<0.003	1	0.1	
			4/12/12	35	<0.003	0	0.0	
			4/16/12	67	<0.003	1	0.1	
			7/10/12	957	0.005	0	0.0	>120
			8/1/12	4,336	<0.003	0	0.0	
			9/15/12	3,464	<0.003	1	0.1	
			10/13/12	5,574	<0.003	9	0.7	
			11/17/12	3,744	<0.003	2	0.2	
			12/8/12	3,506	<0.003	1	0.1	
			1/26/13	34,900	<0.003	1	0.1	
			5/18/13	1,820	0.003	0	0.0	
			9/21/13	10,000	0.004	0	0.0	
			12/14/13	47,300	<0.003	5	0.4	
			3/8/14	41,900	<0.003	0	0.0	
			6/14/14	>50,000	<0.003	0	0.0	
			9/13/14	2,936	<0.003	0	0.0	
			12/14/14	8,000	0.11	2	0.2	
			8/11/15	<0.5	0.004	1	0.1	
			11/23/15	<0.5	<0.003	4	0.3	
			6/14/16	<0.5	<0.003	7	0.5	
			12/29/16	<0.5	<0.003	5	0.4	
			6/28/17	3	<0.003	2	0.2	
			12/19/17	<0.5	<0.003	8	0.6	
			6/19/18	5.5	<0.003	8	0.6	
			12/19/18	4.0	<0.003	12	0.9	
			6/25/19	<0.5	<0.003	4	0.3	
			12/26/19	<0.5	<0.003	12	0.9	
			7/14/20	2.5	<0.003	5	0.4	
			12/18/20	<0.5	<0.003	16	1.2	
			6/23/21	<0.5	<0.003	15	1.2	
			12/21/21	<0.5	<0.003	8	0.6	
			6/27/22	1.0	<0.003	12	0.9	
			1/6/23	1.2	<0.003	10	0.8	
			6/21/23	2.5	<0.003	10	0.8	
			1/3/24	1.2	<0.003	15	1.2	
			6/27/24	**<0.5**	**<0.003**	**5**	**0.4**	
			1/2/25	**<0.5**	**<0.003**	**15**	**1.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-1	4	Admini-stration Building	4/9/12	0.4	<0.003	2	0.2	60
			4/10/12	<0.5	<0.003	3	0.2	60
			4/11/12	0.5	<0.003	4	0.3	60
			4/12/12	1.5	<0.003	7	0.5	30
			4/16/12	<0.5	<0.003	5	0.4	
			7/10/12	<0.5	<0.003	12	0.9	
			8/1/12	20.7	<0.003	3	0.2	>240
			9/15/12	<0.5	<0.003	10	0.8	
			10/13/12	<0.5	<0.003	11	0.9	
			11/17/12	<0.5	<0.003	1	0.1	>300
			12/8/12	<0.5	<0.003	54	4.2	
			1/26/13	<0.5	<0.003	21	1.6	>300
			5/18/13	<0.5	<0.003	170 [(b)]	NA	
			9/21/13	0.8	<0.003	0	0.0	
			12/14/13	1.5	0.003	6	0.5	
			3/8/14	<0.5	<0.003	4	0.3	
			6/14/14	<0.5	<0.003	6	0.5	
			9/13/14	<0.5	<0.003	11	0.9	
			12/14/14	<0.5	<0.003	4	0.3	
			8/11/15	<0.5	<0.003	9	0.7	
			11/23/15	1.7	<0.003	3	0.2	
			6/14/16	0.5	<0.003	4	0.3	
			12/29/16	<0.5	<0.003	9	0.7	
			6/28/17	1.9	<0.003	12	0.9	
			12/19/17	<0.5	<0.003	12	0.9	
			6/19/18	0.5	<0.003	28	2.2	
			12/19/18	<0.5	<0.003	20	1.6	
			6/25/19	<0.5	<0.003	37	2.9	
			12/26/19	<0.5	<0.003	4	0.3	
			7/14/20	<0.5	<0.003	20	1.6	
			12/18/20	<0.5	<0.003	4	0.3	
			6/23/21	<0.5	<0.003	20	1.6	
			12/21/21	1.5	<0.003	16	1.2	
			6/27/22	<0.5	<0.003	32	2.5	
			1/6/23	<0.5	<0.003	20	1.6	
			6/21/23	<0.5	<0.003	39	3.0	
			1/3/24	<0.5	<0.003	22	1.7	
			6/27/24	**<0.5**	**<0.003**	**5**	**0.4**	
			1/2/25	**<0.5**	**<0.003**	**28**	**2.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-2	4	Admini-stration Building	4/9/12	<0.5	<0.003	8	0.6	
			4/10/12	<0.5	0.004	9	0.7	
			4/11/12	<0.5	<0.003	16	1.2	>60
			4/12/12	0.5	<0.003	8	0.6	>60
			4/16/12	<0.5	<0.003	2	0.2	>60
			7/10/12	<0.5	<0.003	8	0.6	>120
			8/1/12	<0.5	<0.003	2	0.2	>360
			9/15/12	<0.5	<0.003	12	0.9	
			9/26/12 [(a)]	NA	NA	24	1.9	
			10/13/12	<0.5	<0.003	3	0.2	>300
			11/17/12	<0.5	<0.003	11	0.9	
			12/8/12	<0.5	<0.003	2	0.2	>300
			1/26/13	<0.5	<0.003	3	0.2	>300
			5/18/13	<0.5	<0.003	5	0.4	
			9/21/13	<0.5	<0.003	2	0.2	
			12/14/13	1.5	<0.003	1	0.1	
			3/8/14	<0.5	<0.003	8	0.6	>180
			6/14/14	<0.5	<0.003	15	1.2	
			9/13/14	<0.5	<0.003	4	0.3	
			12/14/14	<0.5	<0.003	8	0.6	
			8/11/15	1.1	<0.003	2	0.2	
			11/23/15	5.2	<0.003	13	1.0	
			6/14/16	<0.5	<0.003	12	0.9	
			12/29/16	<0.5	<0.003	4	0.3	
			6/28/17	<0.5	<0.003	14	1.1	
			12/19/17	<0.5	0.003	7	0.5	
			6/19/18	<0.5	<0.003	22	1.7	
			12/19/18	<0.5	<0.003	18	1.4	
			6/25/19	<0.5	<0.003	21	1.6	
			12/26/19	<0.5	<0.003	23	1.8	
			7/14/20	1.0	<0.003	10	0.8	
			12/18/20	<0.5	<0.003	23	1.8	
			6/23/21	<0.5	<0.003	19	1.5	
			12/21/21	<0.5	<0.003	12	0.9	
			6/27/22	<0.5	<0.003	29	2.3	
			1/6/23	<0.5	<0.003	28	2.2	
			6/21/23	0.8	<0.003	35	2.7	
			1/3/24	0.8	<0.003	38	3.0	
			6/27/24	**<0.5**	**<0.003**	**23**	**1.8**	
			1/2/25	**<0.5**	**<0.003**	**43**	**3.4**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
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Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-3	4	Admini-stration Building	4/9/12	<0.5	<0.003	38	3.0	
			4/10/12	<0.5	<0.003	26	2.0	
			4/11/12	<0.5	<0.003	60	4.7	
			4/12/12	0.5	<0.003	31	2.4	
			4/16/12	<0.5	<0.003	23	1.8	
			7/10/12	<0.5	<0.003	56	4.4	
			8/1/12	<0.5	<0.003	25	2.0	
			9/15/12	<0.5	<0.003	0	0.0	
			10/13/12	<0.5	<0.003	2	0.2	>300
			11/17/12	<0.5	<0.003	25	2.0	
			12/8/12	<0.5	<0.003	20	1.6	
			1/26/13	<0.5	<0.003	13	1.0	>300
			5/18/13	<0.5	<0.003	32	2.5	
			9/21/13	<0.5	<0.003	54	4.2	
			12/14/13	<0.5	0.003	3	0.2	
			3/8/14	<0.5	<0.003	28	2.2	
			6/14/14	<0.5	<0.003	84	6.6	
			9/13/14	<0.5	<0.003	29	2.3	
			12/14/14	<0.5	<0.003	4	0.3	
			8/11/15	<0.5	<0.003	36	2.8	
			11/23/15	1.6	<0.003	4	0.3	
			6/14/16	<0.5	<0.003	40	3.1	
			12/29/16	<0.5	<0.003	24	1.9	
			6/28/17	<0.5	<0.003	10	0.8	
			12/19/17	<0.5	<0.003	2	0.2	
			6/19/18	<0.5	<0.003	14	1.1	
			12/19/18	<0.5	<0.003	62	4.8	
			6/25/19	<0.5	<0.003	60	4.7	
			12/26/19	<0.5	<0.003	33	2.6	
			7/14/20	1.1	<0.003	33	2.6	
			12/18/20	0.7	<0.003	38	3.0	
			6/23/21	<0.5	<0.003	31	2.4	
			12/21/21	<0.5	<0.003	10	0.8	
			6/27/22	<0.5	<0.003	65	5.1	
			1/6/23	0.5	<0.003	54	4.2	
			6/21/23	<0.5	<0.003	42	3.3	
			1/3/24	<0.5	<0.003	25	2.0	
			6/27/24	**<0.5**	**<0.003**	**18**	**1.4**	
			1/2/25	**<0.5**	**<0.003**	**35**	**2.7**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-4	4	Admini-stration Building	4/9/12	<0.5	<0.003	30	2.3	14
			4/10/12	<0.5	<0.003	9	0.7	17
			4/11/12	<0.5	<0.003	52	4.1	60
			4/12/12	<0.5	<0.003	41	3.2	>60
			4/16/12	<0.5	<0.003	46	3.6	>60
			7/10/12	<0.5	<0.003	67	5.2	
			8/1/12	<0.5	<0.003	28	2.2	
			9/15/12	<0.5	<0.003	8	0.6	
			10/13/12	<0.5	<0.003	27	2.1	
			11/17/12	<0.5	<0.003	90	7.0	
			12/8/12	<0.5	<0.003	3	0.2	>300
			1/26/13	<0.5	<0.003	28	2.2	>300
			5/18/13	<0.5	<0.003	0	0.0	
			9/21/13	<0.5	<0.003	52	4.1	
			12/14/13	2.9	<0.003	21	1.6	
			3/8/14	<0.5	<0.003	26	2.0	
			6/14/14	<0.5	<0.003	35	2.7	
			9/13/14	<0.5	<0.003	15	1.2	
			12/14/14	<0.5	<0.003	1	0.1	
			8/11/15	0.8	0.005	6	0.5	
			11/23/15	<0.5	<0.003	15	1.2	
			6/14/16	<0.5	<0.003	31	2.4	
			12/29/16	<0.5	<0.003	85	6.6	
			6/28/17	<0.5	<0.003	25	2.0	
			12/19/17	<0.5	<0.003	10	0.8	
			6/19/18	<0.5	<0.003	41	3.2	
			12/19/18	<0.5	<0.003	89	6.9	
			6/25/19	<0.5	<0.003	25	2.0	
			12/26/19	<0.5	<0.003	8	0.6	
			7/14/20	<0.5	<0.003	35	2.7	
			12/18/20	<0.5	<0.003	54	4.2	
			6/23/21	<0.5	<0.003	30	2.3	
			12/21/21	<0.5	<0.003	4	0.3	
			6/27/22	0.5	<0.003	31	2.4	
			1/6/23	<0.5	<0.003	33	2.6	
			6/21/23	<0.5	<0.003	29	2.3	
			1/3/24	<0.5	<0.003	41	3.2	
			6/27/24	**<0.5**	**<0.003**	**47**	**3.7**	
			1/2/25	**<0.5**	**<0.003**	**10**	**0.8**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
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Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-5	4	Admini-stration Building	4/9/12	<0.5	<0.003	80	6.2	
			4/10/12	<0.5	<0.003	36	2.8	
			4/11/12	<0.5	<0.003	40	3.1	
			4/12/12	<0.5	<0.003	19	1.5	
			4/16/12	<0.5	<0.003	77	6.0	
			7/10/12	<0.5	<0.003	35	2.7	
			8/1/12	<0.5	<0.003	53	4.1	
			9/15/12	<0.5	<0.003	15	1.2	
			10/13/12	<0.5	<0.003	33	2.6	
			11/17/12	<0.5	<0.003	32	2.5	
			12/8/12	<0.5	<0.003	79	6.2	
			1/26/13	<0.5	<0.003	63	4.9	
			5/18/13	<0.5	<0.003	39	3.0	
			9/21/13	<0.5	<0.003	36	2.8	
			12/14/13	<0.5	0.004	12	0.9	
			3/8/14	<0.5	<0.003	25	2.0	
			6/14/14	<0.5	<0.003	83	6.5	
			9/13/14	<0.5	<0.003	43	3.4	
			12/14/14	<0.5	<0.003	28	2.2	
			8/11/15	0.5	0.003	17	1.3	
			11/23/15	<0.5	<0.003	5	0.4	
			6/14/16	<0.5	<0.003	53	4.1	
			12/29/16	<0.5	<0.003	8	0.6	
			6/28/17	0.7	<0.003	32	2.5	
			12/19/17	<0.5	<0.003	25	2.0	
			6/19/18	<0.5	<0.003	64	5.0	
			12/19/18	<0.5	<0.003	42	3.3	
			6/25/19	<0.5	<0.003	24	1.9	
			12/26/19	0.5	<0.003	46	3.6	
			7/14/20	<0.5	<0.003	26	2.0	
			12/18/20	<0.5	<0.003	32	2.5	
			6/23/21	<0.5	<0.003	35	2.7	
			12/21/21	<0.5	<0.003	18	1.4	
			6/27/22	<0.5	<0.003	25	2.0	
			1/6/23	0.8	<0.003	69	5.4	
			6/21/23	1.2	<0.003	32	2.5	
			1/3/24	<0.5	<0.003	45	3.5	
			6/27/24	**<0.5**	**<0.003**	**49**	**3.8**	
			1/2/25	**<0.5**	**<0.003**	**50**	**3.9**	

TABLE 6

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LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-6	4	Admini-stration Building	4/9/12	<0.5	<0.003	45	3.5	
			4/10/12	<0.5	<0.003	20	1.6	
			4/11/12	<0.5	<0.003	15	1.2	
			4/12/12	<0.5	<0.003	7	0.5	
			4/16/12	<0.5	<0.003	2	0.2	
			7/10/12	<0.5	<0.003	28	2.2	
			8/1/12	<0.5	<0.003	48	3.7	
			9/15/12	<0.5	<0.003	5	0.4	
			10/13/12	<0.5	<0.003	1	0.1	>300
			11/17/12	<0.5	<0.003	42	3.3	
			12/8/12	<0.5	<0.003	23	1.8	
			1/26/13	<0.5	<0.003	14	1.1	>300
			5/18/13	<0.5	<0.003	15	1.2	
			9/21/13	<0.5	<0.003	27	2.1	
			12/14/13	<0.5	0.005	23	1.8	
			3/8/14	<0.5	<0.003	28	2.2	
			6/14/14	<0.5	<0.003	17	1.3	
			9/13/14	<0.5	<0.003	17	1.3	
			12/14/14	<0.5	<0.003	24	1.9	
			8/11/15	<0.5	0.004	37	2.9	
			11/23/15	<0.5	<0.003	35	2.7	
			6/14/16	0.5	<0.003	18	1.4	
			12/29/16	<0.5	<0.003	11	0.9	
			6/28/17	<0.5	<0.003	35	2.7	
			12/19/17	<0.5	<0.003	8	0.6	
			6/19/18	<0.5	<0.003	34	2.7	
			12/19/18	<0.5	<0.003	48	3.7	
			6/25/19	<0.5	<0.003	20	1.6	
			12/26/19	<0.5	<0.003	43	3.4	
			7/14/20	<0.5	<0.003	40	3.1	
			12/18/20	<0.5	<0.003	27	2.1	
			6/23/21	<0.5	<0.003	45	3.5	
			12/21/21	<0.5	<0.003	26	2.0	
			6/27/22	<0.5	<0.003	30	2.3	
			1/6/23	0.5	<0.003	30	2.3	
			6/21/23	<0.5	<0.003	35	2.7	
			1/3/24	<0.5	<0.003	30	2.3	
			6/27/24	**<0.5**	**<0.003**	**46**	**3.6**	
			1/2/25	**<0.5**	**<0.003**	**38**	**3.0**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-7	4	Admini-stration Building	4/9/12	<0.5	<0.003	30	2.3	
			4/10/12	<0.5	<0.003	3	0.2	
			4/11/12	<0.5	<0.003	12	0.9	
			4/12/12	<0.5	<0.003	9	0.7	
			4/16/12	<0.5	<0.003	3	0.2	
			7/10/12	<0.5	<0.003	15	1.2	
			8/1/12	<0.5	<0.003	38	3.0	
			9/15/12	<0.5	<0.003	2	0.2	
			10/13/12	<0.5	<0.003	6	0.5	
			11/17/12	<0.5	<0.003	35	2.7	
			12/8/12	<0.5	<0.003	1	0.1	>300
			1/26/13	<0.5	<0.003	23	1.8	>300
			5/18/13	<0.5	<0.003	22	1.7	
			9/21/13	<0.5	<0.003	32	2.5	
			12/14/13	0.5	<0.003	32	2.5	
			3/8/14	<0.5	<0.003	22	1.7	
			6/14/14	<0.5	<0.003	44	3.4	
			9/13/14	<0.5	<0.003	12	0.9	
			12/14/14	<0.5	<0.003	49	3.8	
			8/11/15	<0.5	0.003	17	1.3	
			11/23/15	<0.5	<0.003	27	2.1	
			6/14/16	<0.5	<0.003	19	1.5	
			12/29/16	<0.5	<0.003	9	0.7	
			6/28/17	<0.5	<0.003	25	2.0	
			12/19/17	<0.5	<0.003	11	0.9	
			6/19/18	0.5	<0.003	33	2.6	
			12/19/18	<0.5	<0.003	54	4.2	
			6/25/19	<0.5	<0.003	31	2.4	
			12/26/19	<0.5	<0.003	51	4.0	
			7/14/20	<0.5	<0.003	31	2.4	
			12/18/20	<0.5	<0.003	38	3.0	
			6/23/21	<0.5	<0.003	28	2.2	
			12/21/21	<0.5	<0.003	32	2.5	
			6/27/22	<0.5	<0.003	48	3.7	
			1/6/23	<0.5	<0.003	35	2.7	
			6/21/23	<0.5	<0.003	44	3.4	
			1/3/24	<0.5	<0.003	35	2.7	
			6/27/24	**<0.5**	**<0.003**	**40**	**3.1**	
			1/2/25	**<0.5**	**<0.003**	**43**	**3.4**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VA-8	4	Admini-stration Building	4/9/12	<0.5	<0.003	56	4.4	8
			4/10/12	<0.5	<0.003	6	0.5	25
			4/11/12	<0.5	<0.003	20	1.6	16
			4/12/12	0.5	<0.003	29	2.3	
			4/16/12	<0.5	<0.003	2	0.2	
			7/10/12	<0.5	<0.003	15	1.2	
			8/1/12	<0.5	<0.003	88	6.9	
			9/15/12	<0.5	<0.003	4	0.3	13
			10/13/12	<0.5	<0.003	1	0.1	>300
			11/17/12	<0.5	<0.003	49	3.8	
			12/8/12	<0.5	<0.003	20	1.6	
			1/26/13	<0.5	<0.003	26	2.0	>300
			5/18/13	<0.5	<0.003	57	4.4	
			9/21/13	<0.5	<0.003	65	5.1	
			12/14/13	1.1	<0.003	8	0.6	
			3/8/14	<0.5	<0.003	25	2.0	
			6/14/14	<0.5	<0.003	42	3.3	
			9/13/14	<0.5	<0.003	25	2.0	
			12/14/14	<0.5	<0.003	13	1.0	
			8/11/15	1.3	0.005	44	3.4	
			11/23/15	<0.5	<0.003	5	0.4	
			6/14/16	<0.5	<0.003	45	3.5	
			12/29/16	<0.5	<0.003	16	1.2	
			6/28/17	<0.5	<0.003	6	0.5	
			12/19/17	<0.5	<0.003	10	0.8	
			6/19/18	0.5	<0.003	24	1.9	
			12/19/18	0.6	<0.003	29	2.3	
			6/25/19	<0.5	<0.003	9	0.7	
			12/26/19	<0.5	<0.003	55	4.3	
			7/14/20	2.0	<0.003	25	2.0	
			12/18/20	<0.5	<0.003	25	2.0	
			6/23/21	<0.5	<0.003	18	1.4	
			12/21/21	<0.5	<0.003	26	2.0	
			6/27/22	1.0	<0.003	50	3.9	
			1/6/23	1.0	<0.003	25	2.0	
			6/21/23	<0.5	<0.003	28	2.2	
			1/3/24	1.0	<0.003	20	1.6	
			6/27/24	**<0.5**	**<0.003**	**52**	**4.1**	
			1/2/25	**<0.5**	**<0.003**	**23**	**1.8**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
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Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VB-1	4	Classroom Building B	4/9/12	<0.5	<0.003	3	0.2	
			4/10/12	<0.5	<0.003	24	1.9	
			4/11/12	<0.5	<0.003	8	0.6	
			4/12/12	<0.5	<0.003	6	0.5	
			4/16/12	<0.5	<0.003	1	0.1	
			7/10/12	<0.5	<0.003	22	1.7	
			8/1/12	<0.5	<0.003	25	2.0	
			9/15/12	<0.5	<0.003	5	0.4	
			10/13/12	<0.5	<0.003	3	0.2	>600
			11/17/12	<0.5	<0.003	29	2.3	
			12/8/12	<0.5	<0.003	24	1.9	
			1/26/13	<0.5	<0.003	24	1.9	>300
			5/18/13	<0.5	<0.003	15	1.2	
			9/21/13	<0.5	<0.003	16	1.2	
			12/14/13	<0.5	<0.003	47	3.7	
			3/8/14	<0.5	<0.003	19	1.5	
			6/14/14	<0.5	<0.003	39	3.0	
			9/13/14	<0.5	<0.003	41	3.2	
			12/14/14	<0.5	<0.003	24	1.9	
			8/11/15	<0.5	0.005	16	1.2	
			11/23/15	6.2	<0.003	4	0.3	
			6/14/16	<0.5	<0.003	27	2.1	
			12/29/16	<0.5	<0.003	23	1.8	
			6/28/17	10	<0.003	29	2.3	
			12/19/17	<0.5	<0.003	20	1.6	
			6/19/18	0.5	<0.003	32	2.5	
			12/19/18	0.5	<0.003	52	4.1	
			6/25/19	<0.5	<0.003	29	2.3	
			12/26/19	<0.5	<0.003	47	3.7	
			7/14/20	1.9	<0.003	56	4.4	
			12/18/20	<0.5	<0.003	41	3.2	
			6/23/21	<0.5	<0.003	36	2.8	
			12/21/21	<0.5	<0.003	29	2.3	
			6/27/22	<0.5	<0.003	38	3.0	
			1/6/23	0.5	<0.003	45	3.5	
			6/21/23	0.5	<0.003	36	2.8	
			1/3/24	0.8	<0.003	43	3.4	
			6/27/24	**<0.5**	**<0.003**	**30**	**2.3**	
			1/2/25	**<0.5**	**<0.003**	**52**	**4.1**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
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Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VB-2	4	Classroom Building B	4/9/12	<0.5	<0.003	15	1.2	
			4/10/12	<0.5	<0.003	29	2.3	
			4/11/12	<0.5	<0.003	67	5.2	
			4/12/12	<0.5	<0.003	15	1.2	
			4/16/12	<0.5	<0.003	34	2.7	
			7/10/12	<0.5	<0.003	26	2.0	
			8/1/12	<0.5	<0.003	22	1.7	
			9/15/12	<0.5	<0.003	28	2.2	
			10/13/12	<0.5	<0.003	17	1.3	
			11/17/12	<0.5	<0.003	14	1.1	
			12/8/12	<0.5	<0.003	45	3.5	
			1/26/13	<0.5	<0.003	14	1.1	
			5/18/13	<0.5	<0.003	50	3.9	
			9/21/13	<0.5	<0.003	36	2.8	
			12/14/13	2.4	<0.003	8	0.6	
			3/8/14	<0.5	<0.003	36	2.8	
			6/14/14	<0.5	<0.003	42	3.3	
			9/13/14	<0.5	<0.003	19	1.5	
			12/14/14	<0.5	<0.003	4	0.3	
			8/11/15	<0.5	<0.003	47	3.7	
			11/23/15	0.9	<0.003	12	0.9	
			6/14/16	<0.5	<0.003	12	0.9	
			12/29/16	<0.5	<0.003	14	1.1	
			6/28/17	1.1	<0.003	23	1.8	
			12/19/17	<0.5	<0.003	29	1.9	
			6/19/18	0.8	<0.003	41	3.2	
			12/19/18	<0.5	<0.003	27	2.1	
			6/25/19	<0.5	<0.003	38	3.0	
			12/26/19	<0.5	<0.003	28	2.2	
			7/14/20	<0.5	<0.003	28	2.2	
			12/18/20	<0.5	<0.003	48	3.7	
			6/23/21	0.5	<0.003	39	3.0	
			12/21/21	<0.5	<0.003	16	1.2	
			6/27/22	<0.5	<0.003	40	3.1	
			1/6/23	0.8	<0.003	40	3.1	
			6/21/23	0.8	<0.003	48	3.7	
			1/3/24	<0.5	<0.003	50	3.9	
			6/27/24	**<0.5**	**<0.003**	**25**	**2.0**	
			1/2/25	**<0.5**	**<0.003**	**50**	**3.9**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
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Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VB-3	4	Classroom Building B	4/9/12	<0.5	<0.003	5	0.4	
			4/10/12	<0.5	<0.003	7	0.5	
			4/11/12	<0.5	<0.003	4	0.3	
			4/12/12	<0.5	<0.003	2	0.2	
			4/16/12	<0.5	<0.003	4	0.3	
			7/10/12	<0.5	<0.003	14	1.1	
			8/1/12	<0.5	<0.003	22	1.7	
			9/15/12	<0.5	<0.003	50	3.9	
			10/13/12	<0.5	<0.003	2	0.2	>600
			11/17/12	<0.5	<0.003	25	2.0	
			12/8/12	<0.5	<0.003	22	1.7	
			1/26/13	<0.5	<0.003	20	1.6	>300
			5/18/13	<0.5	<0.003	31	2.4	
			9/21/13	<0.5	<0.003	12	0.9	
			12/14/13	<0.5	<0.003	12	0.9	
			3/8/14	<0.5	<0.003	26	2.0	
			6/14/14	<0.5	<0.003	14	1.1	
			9/13/14	<0.5	<0.003	36	2.8	
			12/14/14	<0.5	<0.003	7	0.5	
			8/11/15	<0.5	0.008	45	3.5	
			11/23/15	2.3	<0.003	7	0.5	
			6/14/16	<0.5	<0.003	25	2.0	
			12/29/16	<0.5	<0.003	10	0.8	
			6/28/17	1.1	<0.003	10	0.8	
			12/19/17	<0.5	<0.003	26	2.0	
			6/19/18	<0.5	<0.003	31	2.4	
			12/19/18	<0.5	<0.003	63	4.9	
			6/25/19	<0.5	<0.003	44	3.4	
			12/26/19	<0.5	<0.003	42	3.3	
			7/14/20	<0.5	<0.003	53	4.1	
			12/18/20	<0.5	<0.003	35	2.7	
			6/23/21	<0.5	<0.003	43	3.4	
			12/21/21	<0.5	<0.003	32	2.5	
			6/27/22	<0.5	<0.003	32	2.5	
			1/6/23	<0.5	<0.003	43	3.4	
			6/21/23	<0.5	<0.003	35	2.7	
			1/3/24	1.2	<0.003	42	3.3	
			6/21/23	<0.5	<0.003	35	2.7	
			1/3/24	1.2	<0.003	42	3.3	
			6/27/24	**<0.5**	**<0.003**	**15**	**1.2**	
			1/2/25	**<0.5**	**<0.003**	**42**	**3.3**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
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Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VC-1	4	Classroom Building C	4/9/12	<0.5	<0.003	25	2.0	
			4/10/12	<0.5	<0.003	9	0.7	
			4/11/12	<0.5	<0.003	32	2.5	
			4/12/12	<0.5	<0.003	27	2.1	
			4/16/12	<0.5	<0.003	4	0.3	
			7/10/12	<0.5	<0.003	22	1.7	
			8/1/12	<0.5	<0.003	46	3.6	
			9/15/12	<0.5	<0.003	23	1.8	
			10/13/12	<0.5	<0.003	15	1.2	
			11/17/12	<0.5	<0.003	62	4.8	
			12/8/12	<0.5	<0.003	14	1.1	
			1/26/13	<0.5	<0.003	31	2.4	
			5/18/13	<0.5	<0.003	47	3.7	
			9/21/13	<0.5	<0.003	20	1.6	
			12/14/13	<0.5	0.003	22	1.7	
			3/8/14	<0.5	<0.003	17	1.3	
			6/14/14	<0.5	<0.003	12	0.9	
			9/13/14	<0.5	<0.003	25	2.0	
			12/14/14	<0.5	<0.003	24	1.9	
			8/11/15	<0.5	0.008	25	2.0	
			11/23/15	3.5	<0.003	6	0.5	
			6/14/16	<0.5	<0.003	15	1.2	
			12/29/16	<0.5	<0.003	20	1.6	
			6/28/17	1	<0.003	10	0.8	
			12/19/17	<0.5	<0.003	34	2.7	
			6/19/18	<0.5	<0.003	34	2.7	
			12/19/18	<0.5	<0.003	29	2.3	
			6/25/19	<0.5	<0.003	45	3.5	
			12/26/19	<0.5	<0.003	41	3.2	
			7/14/20	<0.5	<0.003	39	3.0	
			12/18/20	<0.5	<0.003	51	4.0	
			6/23/21	<0.5	<0.003	51	4.0	
			12/21/21	<0.5	<0.003	18	1.4	
			6/27/22	<0.5	<0.003	35	2.7	
			1/6/23	1.0	<0.003	50	3.9	
			6/21/23	<0.5	<0.003	27	2.1	
			1/3/24	1.1	<0.003	30	2.3	
			6/27/24	**<0.5**	**<0.003**	**35**	**2.7**	
			1/2/25	**<0.5**	**<0.003**	**39**	**3.0**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VC-2	4	Classroom Building C	4/9/12	<0.5	0.004	33	2.6	
			4/10/12	<0.5	<0.003	25	2.0	
			4/11/12	<0.5	<0.003	97	7.6	
			4/12/12	<0.5	<0.003	10	0.8	
			4/16/12	<0.5	<0.003	23	1.8	
			7/10/12	<0.5	<0.003	39	3.0	
			8/1/12	<0.5	<0.003	77	6.0	
			9/15/12	<0.5	<0.003	20	1.6	
			10/13/12	<0.5	<0.003	15	1.2	
			11/17/12	<0.5	<0.003	30	2.3	
			12/8/12	<0.5	<0.003	18	1.4	
			1/26/13	<0.5	<0.003	24	1.9	
			5/18/13	<0.5	<0.003	35	2.7	
			9/21/13	<0.5	<0.003	16	1.2	
			12/14/13	0.5	<0.003	36	2.8	
			3/8/14	<0.5	<0.003	22	1.7	
			6/14/14	<0.5	<0.003	62	4.8	
			9/13/14	<0.5	<0.003	24	1.9	
			12/14/14	<0.5	<0.003	48	3.7	
			8/11/15	0.7	0.008	35	2.7	
			11/23/15	1.6	<0.003	23	1.8	
			6/14/16	<0.5	<0.003	27	2.1	
			12/29/16	<0.5	<0.003	24	1.9	
			6/28/17	<0.5	<0.003	25	2.0	
			12/19/17	<0.5	<0.003	7	0.5	
			6/19/18	<0.5	<0.003	35	2.7	
			12/19/18	<0.5	<0.003	39	3.0	
			6/25/19	<0.5	<0.003	25	2.0	
			12/26/19	<0.5	<0.003	48	3.7	
			7/14/20	<0.5	<0.003	48	3.7	
			12/18/20	1.0	<0.003	25	2.0	
			6/23/21	<0.5	<0.003	29	2.3	
			12/21/21	<0.5	<0.003	27	2.1	
			6/27/22	<0.5	<0.003	28	2.2	
			1/6/23	0.5	<0.003	65	5.1	
			6/21/23	<0.5	<0.003	35	2.7	
			1/3/24	<0.5	<0.003	53	4.1	
			6/27/24	**<0.5**	**<0.003**	**38**	**3.0**	
			1/2/25	**<0.5**	**<0.003**	**30**	**2.3**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VC-3	4	Classroom Building C	4/9/12	<0.5	0.005	37	2.9	
			4/10/12	<0.5	<0.003	36	2.8	
			4/11/12	<0.5	<0.003	64	5.0	
			4/12/12	<0.5	<0.003	5	0.4	
			4/16/12	<0.5	<0.003	4	0.3	
			7/10/12	<0.5	<0.003	38	3.0	
			8/1/12	<0.5	<0.003	23	1.8	
			9/15/12	<0.5	<0.003	30	2.3	
			10/13/12	<0.5	<0.003	3	0.2	165
			11/17/12	<0.5	<0.003	45	3.5	
			12/8/12	<0.5	<0.003	31	2.4	
			1/26/13	<0.5	<0.003	20	1.6	>300
			5/18/13	<0.5	<0.003	31	2.4	
			9/21/13	<0.5	<0.003	23	1.8	
			12/14/13	3.2	<0.003	25	2.0	
			3/8/14	<0.5	<0.003	26	2.0	
			6/14/14	<0.5	0.05	36	2.8	
			9/13/14	<0.5	0.004	46	3.6	
			12/14/14	<0.5	<0.003	2	0.2	
			8/11/15	<0.5	0.004	38	3.0	
			11/23/15	2.1	<0.003	8	0.6	
			6/14/16	<0.5	<0.003	7	0.5	
			12/29/16	<0.5	<0.003	10	0.8	
			6/28/17	1.5	<0.003	14	1.1	
			12/19/17	<0.5	<0.003	5	0.4	
			6/19/18	<0.5	<0.003	36	2.8	
			12/19/18	0.5	<0.003	12	0.9	
			6/25/19	<0.5	<0.003	41	3.2	
			12/26/19	<0.5	<0.003	45	3.5	
			7/14/20	<0.5	<0.003	52	4.1	
			12/18/20	1.0	<0.003	28	2.2	
			6/23/21		Not accessible			
			12/21/21		Not accessible			
			6/27/22		Not accessible			
			1/6/23		Not accessible			
			6/21/23		Not accessible			
			1/3/24		Not accessible			
			6/27/24	**<0.5**	**<0.003**	**43**	**3.4**	
			1/2/25	**<0.5**	**<0.003**	**35**	**2.7**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VD-1	4	MPR/Food Service Building	4/9/12	<0.5	<0.003	33	2.6	25
			4/10/12	<0.5	<0.003	31	2.4	>60
			4/11/12	<0.5	<0.003	78	6.1	
			4/12/12	<0.5	<0.003	9	0.7	>60
			4/16/12	<0.5	<0.003	25	2.0	>60
			7/10/12	<0.5	<0.003	5	0.4	10
			8/1/12	<0.5	<0.003	39	3.0	
			9/15/12	<0.5	<0.003	22	1.7	
			10/13/12	<0.5	<0.003	4	0.3	>300
			11/17/12	<0.5	<0.003	43	3.4	
			12/8/12	<0.5	<0.003	34	2.7	
			1/26/13	<0.5	<0.003	7	0.5	>300
			5/18/13	<0.5	<0.003	31	2.4	
			9/21/13	<0.5	<0.003	48	3.7	
			12/14/13	<0.5	<0.003	18	1.4	
			3/8/14	<0.5	<0.003	0	0.0	>180
			6/14/14	<0.5	<0.003	0	0.0	
			9/13/14	<0.5	<0.003	5	0.4	250
			12/14/14	<0.5	<0.003	5	0.4	250
			8/11/15	1.4	<0.003	2	0.2	
			11/23/15	6.0	<0.003	27	2.1	
			6/14/16	0.9	<0.003	7	0.5	
			12/29/16	<0.5	<0.003	34	2.7	
			6/28/17	<0.5	<0.003	30	2.3	
			12/19/17	<0.5	0.004	22	1.7	
			6/19/18	0.5	<0.003	18	1.4	
			12/19/18	0.5	<0.003	15	2.7	
			6/25/19	<0.5	<0.003	37	2.9	
			12/26/19	1.1	<0.003	42	3.3	
			7/14/20	<0.5	<0.003	25	2.0	
			12/18/20	<0.5	<0.003	57	4.4	
			6/23/21	<0.5	<0.003	70	5.5	
			12/21/21	<0.5	<0.003	19	1.5	
			6/27/22	<0.5	<0.003	44	3.4	
			1/6/23	<0.5	<0.003	40	3.1	
			6/21/23	1.2	<0.003	33	2.6	
			1/3/24	1.0	<0.003	50	3.9	
			6/27/24	**0.5**	**<0.003**	**50**	**3.9**	
			1/2/25	**<0.5**	**<0.003**	**25**	**2.0**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VD-2	4	MPR/Food Service Building	4/9/12	0.5	<0.003	20	1.6	
			4/10/12	<0.5	<0.003	26	2.0	>60
			4/11/12	<0.5	<0.003	33	2.6	15
			4/16/12	<0.5	<0.003	1	0.1	>60
			7/10/12	<0.5	<0.003	34	2.7	
			8/1/12	<0.5	<0.003	37	2.9	
			9/15/12	<0.5	<0.003	32	2.5	
			10/13/12	<0.5	<0.003	35	2.7	
			11/17/12	<0.5	<0.003	11	0.9	
			12/8/12	<0.5	<0.003	20	1.6	
			1/26/13	<0.5	<0.003	4	0.3	
			5/18/13	<0.5	<0.003	5	0.4	>240
			9/21/13	<0.5	<0.003	23	1.8	
			12/14/13	<0.5	<0.003	69	5.4	
			3/8/14	<0.5	<0.003	24	1.9	
			6/14/14	<0.5	<0.003	42	3.3	
			9/13/14	<0.5	<0.003	37	2.9	
			12/14/14	<0.5	<0.003	57	4.4	
			8/11/15	1.3	<0.003	30	2.3	
			11/23/15	4.4	<0.003	2	0.2	
			6/14/16	<0.5	<0.003	30	2.3	
			12/29/16	<0.5	<0.003	110	8.6	
			6/28/17	<0.5	<0.003	25	2.0	
			12/19/17	<0.5	<0.003	15	1.2	
			6/19/18	<0.5	<0.003	28	2.2	
			12/19/18	Sample not collected -- port plugged				
			6/25/19	Sample not collected -- port plugged				
			12/26/19	Sample not collected -- port plugged				
			7/14/20	1.1	<0.003	30	2.3	
			12/18/20	Sample not collected -- port plugged				
			6/23/21	<0.5	<0.003	28	2.2	
			12/21/21	<0.5	<0.003	32	2.5	
			6/27/22	<0.5	<0.003	49	3.8	
			1/6/23	<0.5	<0.003	30	2.3	
			6/21/23	<0.5	<0.003	30	2.3	
			1/3/24	1.2	<0.003	33	2.6	
			6/27/24	**<0.5**	**<0.003**	**70**	**5.5**	
			1/2/25	**<0.5**	**<0.003**	**22**	**1.7**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VD-3	4	MPR/Food Service Building	4/9/12	<0.5	<0.003	4	0.3	
			4/10/12	<0.5	<0.003	1	0.1	
			4/11/12	<0.5	<0.003	30	2.3	
			4/12/12	<0.5	<0.003	36	2.8	>60
			4/16/12	<0.5	<0.003	64	5.0	
			7/10/12	<0.5	<0.003	0	0.0	>60
			7/16/12 [(a)]	NA	NA	85	6.6	
			8/1/12	<0.5	<0.003	94	7.3	
			9/15/12	<0.5	<0.003	18	1.4	
			10/13/12	<0.5	<0.003	71	5.5	
			11/17/12	<0.5	<0.003	60	4.7	
			12/8/12	<0.5	<0.003	85	6.6	
			1/26/13	<0.5	<0.003	27	2.1	
			5/18/13	<0.5	<0.003	56	4.4	
			9/21/13	<0.5	<0.003	70	5.5	
			12/14/13	<0.5	<0.003	5	0.4	>180
			3/8/14	<0.5	<0.003	2	0.2	>180
			6/14/14	<0.5	<0.003	0	0.0	
			9/13/14	<0.5	<0.003	48	3.7	
			12/14/14	<0.5	<0.003	52	4.1	
			8/11/15	1.6	<0.003	8	0.6	
			11/23/15	6.7	<0.003	48	3.7	
			6/14/16	<0.5	<0.003	37	2.9	
			12/29/16	<0.5	<0.003	70	5.5	
			6/28/17	<0.5	<0.003	33	2.6	
			12/19/17	<0.5	<0.003	58	4.5	
			6/19/18	0.5	<0.003	57	4.4	
			12/19/18	<0.5	<0.003	47	3.7	
			6/25/19	<0.5	<0.003	23	1.8	
			12/26/19	<0.5	<0.003	43	3.4	
			7/14/20	<0.5	<0.003	10	0.8	
			12/18/20	<0.5	<0.003	16	1.2	
			6/23/21	<0.5	<0.003	40	3.1	
			12/21/21	0.6	<0.003	12	0.9	
			6/27/22	<0.5	<0.003	35	2.7	
			1/6/23	<0.5	<0.003	45	3.5	
			6/21/23	<0.5	<0.003	40	3.1	
			1/3/24	1.5	<0.003	55	4.3	
			6/27/24	**<0.5**	**<0.003**	**37**	**2.9**	
			1/2/25	**<0.5**	**<0.003**	**45**	**3.5**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VD-4	4	MPR/Food Service Building	4/9/12	<0.5	<0.003	49	3.8	
			4/10/12	<0.5	<0.003	3	0.2	
			4/11/12	<0.5	<0.003	5	0.4	
			4/12/12	<0.5	<0.003	113	8.8	
			4/16/12	<0.5	<0.003	92	7.2	
			7/10/12	<0.5	<0.003	42	3.3	
			8/1/12	<0.5	<0.003	54	4.2	
			9/15/12	<0.5	<0.003	57	4.4	
			10/13/12	<0.5	<0.003	68	5.3	
			11/17/12	<0.5	<0.003	70	5.5	
			12/8/12	<0.5	<0.003	72	5.6	
			1/26/13	<0.5	<0.003	82	6.4	
			5/18/13	<0.5	<0.003	76	5.9	
			9/21/13	<0.5	<0.003	59	4.6	
			12/14/13	<0.5	<0.003	69	5.4	
			3/8/14	<0.5	<0.003	20	1.6	
			6/14/14	<0.5	<0.003	44	3.4	
			9/13/14	<0.5	<0.003	52	4.1	
			12/14/14	<0.5	<0.003	86	6.7	
			8/11/15	<0.5	0.006	70	5.5	
			11/23/15	<0.5	<0.003	25	2.0	
			6/14/16	<0.5	<0.003	37	2.9	
			12/29/16	<0.5	<0.003	25	2.0	
			6/28/17	<0.5	<0.003	15	1.2	
			12/19/17	<0.5	<0.003	21	1.6	
			6/19/18	<0.5	<0.003	39	3.0	
			12/19/18	<0.5	<0.003	22	1.7	
			6/25/19	<0.5	<0.003	34	2.7	
			12/26/19	<0.5	<0.003	32	2.5	
			7/14/20	0.5	<0.003	49	3.8	
			12/18/20	<0.5	<0.003	50	3.9	
			6/23/21	<0.5	<0.003	45	3.5	
			12/21/21	<0.5	<0.003	28	2.2	
			6/27/22	<0.5	<0.003	50	3.9	
			1/6/23	<0.5	<0.003	48	3.7	
			6/21/23	<0.5	<0.003	35	2.7	
			1/3/24	<0.5	<0.003	40	3.1	
			6/27/24	**0.8**	**<0.003**	**62**	**4.8**	
			1/2/25	**0.5**	**<0.003**	**42**	**3.3**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VD-5	4	MPR/Food Service Building	4/9/12	<0.5	<0.003	11	0.9	
			4/10/12	<0.5	<0.003	6	0.5	
			4/11/12	<0.5	<0.003	1	0.1	
			4/12/12	<0.5	<0.003	2	0.2	
			4/16/12	<0.5	<0.003	2	0.2	
			7/10/12	<0.5	<0.003	1	0.1	
			8/1/12	<0.5	<0.003	1	0.1	
			9/15/12	<0.5	<0.003	2	0.2	
			10/13/12	<0.5	<0.003	3	0.2	>300
			11/17/12	<0.5	<0.003	6	0.5	85
			12/8/12	<0.5	<0.003	12	0.9	
			1/26/13	<0.5	<0.003	1	0.1	>300
			5/18/13	<0.5	<0.003	6	0.5	>240
			9/21/13	<0.5	<0.003	15	1.2	
			12/14/13	<0.5	0.005	2	0.2	>180
			3/8/14	<0.5	0.003	4	0.3	
			6/14/14	0.7	<0.003	6	0.5	>300
			9/13/14	<0.5	<0.003	11	0.9	
			12/14/14	<0.5	<0.003	1	0.1	
			8/11/15	<0.5	<0.003	7	0.5	
			11/23/15	5.5	<0.003	3	0.2	
			6/14/16	<0.5	<0.003	19	1.5	
			12/29/16	<0.5	<0.003	8	0.6	
			6/28/17	<0.5	<0.003	10	0.8	
			12/19/17	<0.5	<0.003	25	2.0	
			6/19/18	<0.5	<0.003	25	2.0	
			12/19/18	<0.5	<0.003	30	2.3	
			6/25/19	<0.5	<0.003	38	3.0	
			12/26/19	<0.5	<0.003	36	2.8	
			7/14/20	1.8	<0.003	33	2.6	
			12/18/20	<0.5	<0.003	32	2.5	
			6/23/21	<0.5	<0.003	24	1.9	
			12/21/21	<0.5	<0.003	31	2.4	
			6/27/22	<0.5	<0.003	39	3.0	
			1/6/23	0.5	<0.003	45	3.5	
			6/21/23	<0.5	<0.003	25	2.0	
			1/3/24	0.8	<0.003	51	4.0	
			6/27/24	**<0.5**	**<0.003**	**15**	**1.2**	
			1/2/25	**0.5**	**<0.003**	**15**	**1.2**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VD-6	4	MPR/Food Service Building	4/9/12	<0.5	<0.003	30	2.3	
			4/10/12	<0.5	<0.003	12	0.9	
			4/11/12	<0.5	<0.003	24	1.9	
			4/12/12	<0.5	<0.003	26	2.0	
			4/16/12	<0.5	<0.003	25	2.0	
			7/10/12	<0.5	<0.003	14	1.1	
			8/1/12	<0.5	<0.003	8	0.6	>240
			9/15/12	<0.5	<0.003	1	0.1	
			10/13/12	<0.5	<0.003	14	1.1	
			11/17/12	1.3	<0.003	35	2.7	
			12/8/12	<0.5	<0.003	1	0.1	>300
			1/26/13	<0.5	<0.003	18	1.4	60
			5/18/13	<0.5	<0.003	32	2.5	
			9/21/13	<0.5	<0.003	16	1.2	
			12/14/13	<0.5	<0.003	23	1.8	
			3/8/14	0.7	<0.003	8	0.6	
			6/14/14	<0.5	<0.003	0	0.0	
			9/13/14	<0.5	<0.003	12	0.9	
			12/14/14	0.5	<0.003	26	2.0	
			8/11/15	<0.5	0.005	60	4.7	
			11/23/15	<0.5	<0.003	36	2.8	
			6/14/16	<0.5	<0.003	16	1.2	
			12/29/16	<0.5	<0.003	10	0.8	
			6/28/17	<0.5	<0.003	20	1.6	
			12/19/17	<0.5	<0.003	18	1.4	
			6/19/18	0.5	<0.003	31	2.4	
			12/19/18	<0.5	<0.003	32	2.5	
			6/25/19	<0.5	<0.003	42	3.3	
			12/26/19	<0.5	<0.003	48	3.7	
			7/14/20	1.5	<0.003	27	2.1	
			12/18/20	0.8	<0.003	25	2.0	
			6/23/21	<0.5	<0.003	56	4.4	
			12/21/21	<0.5	<0.003	18	1.4	
			6/27/22	<0.5	<0.003	40	3.1	
			1/6/23	<0.5	<0.003	35	2.7	
			6/21/23	<0.5	<0.003	30	2.3	
			1/3/24	<0.5	<0.003	41	3.2	
			6/27/24	**<0.5**	**<0.003**	**22**	**1.7**	
			1/2/25	**<0.5**	**<0.003**	**40**	**3.1**	

TABLE 6

PASSIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Methane (ppmv)	Hydrogen Sulfide (ppmv)	Air Velocity (ft/min)	Air Flow (cfm)	Smoke Time (sec)
SSAL				**≥ 5,000**	**≥ 10**	**NA**	**NA**	**NA**
VE-1	4	Elevator Building	4/9/12	<0.5	<0.003	2	0.2	
			4/10/12	<0.5	<0.003	2	0.2	
			4/11/12	7.5	<0.003	3	0.2	
			4/12/12	<0.5	<0.003	5	0.4	
			4/16/12	<0.5	<0.003	1	0.1	
			7/10/12	<0.5	<0.003	4	0.3	
			8/1/12	<0.5	<0.003	8	0.6	
			9/15/12	<0.5	<0.003	2	0.2	
			10/13/12	<0.5	<0.003	3	0.2	>600
			11/17/12	<0.5	<0.003	41	3.2	
			12/8/12	<0.5	<0.003	0	0.0	
			1/26/13	<0.5	<0.003	1	0.1	>300
			5/18/13	<0.5	<0.003	15	1.2	
			9/21/13	<0.5	<0.003	15	1.2	
			12/14/13	<0.5	<0.003	8	0.6	
			3/8/14	<0.5	<0.003	10	0.8	
			6/14/14	<0.5	<0.003	19	1.5	
			9/13/14	<0.5	<0.003	3	0.2	
			12/14/14	<0.5	<0.003	4	0.3	
			8/11/15	Sample not collected -- key broke				
			11/23/15	0.9	<0.003	5	0.4	
			6/14/16	<0.5	<0.003	15	1.2	
			12/29/16	Sample not collected -- unable to open				
			6/28/17	<0.5	<0.003	18	1.4	
			12/19/17	<0.5	<0.003	15	1.2	
			6/19/18	<0.5	<0.003	41	3.2	
			12/19/18	0.5	<0.003	25	2.0	
			6/25/19	<0.5	<0.003	35	2.7	
			12/26/19	<0.5	<0.003	50	3.9	
			7/14/20	<0.5	<0.003	25	2.0	
			12/18/20	0.9	<0.003	9	0.7	
			6/23/21	<0.5	<0.003	38	3.0	
			12/21/21	<0.5	<0.003	28	2.2	
			6/27/22	<0.5	<0.003	54	4.2	
			1/6/23	<0.5	<0.003	38	3.0	
			6/21/23	1.0	<0.003	45	3.5	
			1/3/24	1.6	<0.003	32	2.5	
			6/27/24	**0.5**	**<0.003**	**23**	**1.8**	
			1/2/25	**0.5**	**<0.003**	**35**	**2.7**	

NA = not applicable or not analyzed
SSAL = site-specific action level
ppmv = parts per million by volume
in = inches
ft/min = feet per minute
cfm = cubic feet per minute
min = minutes
Note: Highlighted cells show current monitoring period results
Notes:
[a] Air flow measured following vent riser repair or water removal
[b] Air flow measurement collected while the VA-1 dry sump was open for inspection; not a valid data point

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VA-1	4	Administration Building	4/16/12	105	8.2	0.4	7.8
			7/11/12	110	8.6	0.9	7.7
			8/2/12	112	8.7	0.2	8.5
			9/15/12	163	12.7	0.8	11.9
			10/13/12	135	10.5	0.9	9.6
			11/17/12	120	9.4	0.1	9.3
			12/8/12	121	9.4	4.2	5.2
			1/26/13	119	9.3	1.6	7.7
			5/18/13	126	9.8	NA	9.8
			9/21/13	119	9.3	0.0	9.3
			12/15/13	96	7.5	0.5	7.0
			3/8/14	134	10.5	0.3	10.2
			6/14/14	95	7.4	0.5	6.9
			9/13/14	106	8.3	0.9	7.4
			12/14/14	84	6.6	0.3	6.3
			8/14/15	45	3.5	0.7	2.8
			11/23/15	125	9.8	0.2	9.6
			6/14/16	100	7.8	0.3	7.5
			12/29/16	145	11.3	0.7	10.6
			6/28/17	180	14.0	0.9	13.1
			12/21/17	91	7.1	0.9	6.2
			6/19/18	288	22.5	2.2	20.3
			12/19/18	110	8.6	1.6	7.0
			6/26/19	187	14.6	2.9	11.7
			12/30/19	156	12.2	0.3	11.9
			7/14/20	95	7.4	1.6	5.8
			12/18/20	98	7.6	0.3	7.3
			6/24/21	83	6.5	1.6	4.9
			12/22/21	115	9.0	1.2	7.8
			6/28/22	212	16.5	2.5	14.0
			1/6/23	380	29.6	1.6	28.0
			6/22/23	125	9.8	3.0	6.8
			1/4/24	95	7.4	1.7	5.7
			6/28/24	**127**	**9.9**	**0.4**	**9.5**
			1/2/25	**110**	**8.6**	**2.2**	**6.4**
VA-2	4	Administration Building	4/16/12	165	12.9	0.2	12.7
			7/11/12	154	12.0	0.6	11.4
			8/2/12	128	10.0	0.2	9.8
			9/15/12	0	0.0	0.9	-0.9
			9/26/12 [a]	195	15.2	1.9	13.3
			10/13/12	138	10.8	0.2	10.6
			11/17/12	141	11.0	0.9	10.1
			12/8/12	138	10.8	0.2	10.6
			1/26/13	136	10.6	0.2	10.4
			5/18/13	167	13.0	0.4	12.6
			9/21/13	133	10.4	0.2	10.2
			12/14/13	20	1.6	0.1	1.5
			1/7/14	129	10.1	NA	NA
			3/8/14	0	0.0	0.6	-0.6
			6/14/14	177	13.8	1.2	12.6
			9/13/14	137	10.7	0.3	10.4
			12/14/14	145	11.3	0.6	10.7
			8/14/15	110	8.6	0.2	8.4
			11/23/15	130	10.1	1.0	9.1
			6/14/16	153	11.9	0.9	11.0
			12/29/16	213	16.6	0.3	16.3
			6/28/17	142	11.1	1.1	10.0
			12/21/17	96	7.5	0.5	7.0
			6/19/18	178	13.9	1.7	12.2
			12/19/18	139	10.8	1.4	9.4
			6/26/19	166	12.9	1.6	11.3
			12/30/19	187	14.6	1.8	12.8
			7/14/20	134	10.5	0.8	9.7
			12/18/20	155	12.1	1.8	10.3
			6/24/21	131	10.2	1.5	8.7
			12/22/21	129	10.1	0.9	9.2
			6/28/22	168	13.1	2.3	10.8
			1/6/23	285	22.2	2.2	20.0
			6/22/23	215	16.8	2.7	14.1
			1/4/24	130	10.1	3.0	7.1
			6/28/24	**153**	**11.9**	**1.8**	**10.1**
			1/2/25	**147**	**11.5**	**3.4**	**8.1**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VA-3	4	Administration Building	4/16/12	468	36.5	1.8	34.7
			7/11/12	451	35.2	4.4	30.8
			8/2/12	482	37.6	2.0	35.6
			9/15/12	545	42.5	0.0	42.5
			10/13/12	478	37.3	0.2	37.1
			11/17/12	420	32.8	2.0	30.8
			12/8/12	472	36.8	1.6	35.2
			1/26/13	486	37.9	1.0	36.9
			5/18/13	419	32.7	2.5	30.2
			9/21/13	434	33.9	4.2	29.7
			12/15/13	438	34.2	0.2	34.0
			3/8/14	484	37.8	2.2	35.6
			6/14/14	483	37.7	6.6	31.1
			9/13/14	448	34.9	2.3	32.6
			12/14/14	463	36.1	0.3	35.8
			8/14/15	455	35.5	2.8	32.7
			11/23/15	491	38.3	0.3	38.0
			6/14/16	327	25.5	3.1	22.4
			12/29/16	468	36.5	1.9	34.6
			6/28/17	420	32.8	0.8	32.0
			12/21/17	342	26.7	0.2	26.5
			6/19/18	331	25.8	1.1	24.7
			12/19/18	400	31.2	4.8	26.4
			6/26/19	325	25.4	4.7	20.7
			12/30/19	388	30.3	2.6	27.7
			7/14/20	336	26.2	2.6	23.6
			12/18/20	323	25.2	3.0	22.2
			6/24/21	420	32.8	2.4	30.4
			12/22/21	270	21.1	0.8	20.3
			6/28/22	321	25.0	5.1	19.9
			1/6/23	290	22.6	4.2	18.4
			6/22/23	250	19.5	3.3	16.2
			1/4/24	210	16.4	2.0	14.4
			6/28/24	**350**	**27.3**	**1.4**	**25.9**
			1/2/25	**149**	**11.6**	**2.7**	**8.9**
VA-4	4	Administration Building	4/16/12	124	9.7	3.6	6.1
			7/11/12	80	6.2	5.2	1.0
			8/2/12	112	8.7	2.2	6.5
			9/15/12	139	10.8	0.6	10.2
			10/13/12	125	9.8	2.1	7.7
			11/17/12	112	8.7	7.0	1.7
			12/8/12	128	10.0	0.2	9.8
			1/26/13	100	7.8	2.2	5.6
			5/18/13	98	7.6	0.0	7.6
			9/21/13	106	8.3	4.1	4.2
			12/14/13	99	7.7	1.6	6.1
			3/8/14	92	7.2	2.0	5.2
			6/14/14	94	7.3	2.7	4.6
			9/13/14	180	14.0	1.2	12.8
			12/14/14	9	0.7	0.1	0.6
			8/14/15	95	7.4	0.5	6.9
			11/23/15	125	9.8	1.2	8.6
			6/14/16	88	6.9	2.4	4.5
			12/29/16	149	11.6	6.6	5.0
			6/28/17	230	17.9	2.0	15.9
			12/21/17	94	7.3	2.0	5.3
			6/19/18	255	19.9	3.2	16.7
			12/19/18	319	24.9	6.9	18.0
			6/26/19	265	20.7	2.0	18.7
			12/30/19	285	25.4	0.6	24.8
			7/14/20	104	25.4	2.7	22.7
			12/18/20	99	25.4	4.2	21.2
			6/24/21	410	25.4	2.4	23.0
			12/22/21	120	25.4	0.3	25.1
			6/28/22	156	25.4	2.4	23.0
			1/6/23	215	25.4	2.6	22.8
			6/22/23	138	25.4	2.3	23.1
			1/4/24	162	25.4	3.2	22.2
			6/28/24	**260**	**25.4**	**3.7**	**21.7**
			1/2/25	**185**	**25.4**	**0.8**	**24.6**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VA-5	4	Administration Building	4/16/12	171	13.3	6.0	7.3
			7/11/12	165	12.9	2.7	10.2
			8/2/12	155	12.1	4.1	8.0
			9/15/12	143	11.2	1.2	10.0
			10/13/12	166	12.9	2.6	10.3
			11/17/12	135	10.5	2.5	8.0
			12/8/12	176	13.7	6.2	7.5
			1/26/13	198	15.4	4.9	10.5
			5/18/13	146	11.4	3.0	8.4
			9/21/13	160	12.5	2.8	9.7
			12/15/13	193	15.1	0.9	14.2
			3/8/14	152	11.9	2.0	9.9
			6/14/14	157	12.2	6.5	5.7
			9/13/14	168	13.1	3.4	9.7
			12/14/14	179	14.0	2.2	11.8
			8/14/15	124	9.7	1.3	8.4
			11/23/15	131	10.2	0.4	9.8
			6/14/16	122	9.5	4.1	5.4
			12/29/16	133	10.4	0.6	9.8
			6/28/17	160	12.5	2.5	10.0
			12/21/17	142	11.1	2.0	9.1
			6/19/18	105	8.2	5.0	3.2
			12/19/18	365	28.5	3.3	25.2
			6/26/19	258	20.1	1.9	18.2
			12/30/19	290	22.6	3.6	19.0
			7/14/20	115	9.0	2.0	7.0
			12/18/20	295	23.0	2.5	20.5
			6/24/21	118	9.2	2.7	6.5
			12/22/21	320	25.0	1.4	23.6
			6/28/22	319	24.9	2.0	22.9
			1/6/23	320	25.0	5.4	19.6
			6/22/23	325	25.4	2.5	22.9
			1/4/24	287	22.4	3.5	18.9
			6/28/24	**213**	**16.6**	**3.8**	**12.8**
			1/2/25	**152**	**11.9**	**3.9**	**8.0**
VA-6	4	Administration Building	4/16/12	440	34.3	0.2	34.1
			7/11/12	420	32.8	2.2	30.6
			8/2/12	420	32.8	3.7	29.1
			9/15/12	408	31.8	0.4	31.4
			10/13/12	385	30.0	0.1	29.9
			11/17/12	408	31.8	3.3	28.5
			12/8/12	422	32.9	1.8	31.1
			1/26/13	458	35.7	1.1	34.6
			5/18/13	392	30.6	1.2	29.4
			9/21/13	402	31.4	2.1	29.3
			12/15/13	435	33.9	1.8	32.1
			3/8/14	485	37.8	2.2	35.6
			6/14/14	441	34.4	1.3	33.1
			9/13/14	422	32.9	1.3	31.6
			12/14/14	420	32.8	1.9	30.9
			8/14/15	430	33.5	2.9	30.6
			11/23/15	480	37.4	2.7	34.7
			6/14/16	415	32.4	1.4	31.0
			12/29/16	525	41.0	0.9	40.1
			6/28/17	410	32.0	2.7	29.3
			12/21/17	369	28.8	0.6	28.2
			6/19/18	389	30.3	2.7	27.6
			12/19/18	281	21.9	3.7	18.2
			6/26/19	335	26.1	1.6	24.5
			12/30/19	366	28.5	3.4	25.1
			7/14/20	342	26.7	3.1	23.6
			12/18/20	321	25.0	2.1	22.9
			6/24/21	405	31.6	3.5	28.1
			12/22/21	250	19.5	2.0	17.5
			6/28/22	285	22.2	2.3	19.9
			1/6/23	265	20.7	2.3	18.4
			6/22/23	350	27.3	2.7	24.6
			1/4/24	320	25.0	2.3	22.7
			6/28/24	**358**	**27.9**	**3.6**	**24.3**
			1/2/25	**290**	**22.6**	**3.0**	**19.6**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VA-7	4	Administration Building	4/16/12	370	28.9	0.2	28.7
			7/11/12	345	26.9	1.2	25.7
			8/2/12	365	28.5	3.0	25.5
			9/15/12	406	31.7	0.2	31.5
			10/13/12	320	25.0	0.5	24.5
			11/17/12	337	26.3	2.7	23.6
			12/8/12	383	29.9	0.1	29.8
			1/26/13	383	29.9	1.8	28.1
			5/18/13	322	25.1	1.7	23.4
			9/21/13	344	26.8	2.5	24.3
			12/15/13	379	29.6	2.5	27.1
			3/8/14	445	34.7	1.7	33.0
			6/14/14	397	31.0	3.4	27.6
			9/13/14	370	28.9	0.9	28.0
			12/14/14	373	29.1	3.8	25.3
			8/14/15	383	29.9	1.3	28.6
			11/23/15	323	25.2	2.1	23.1
			6/14/16	370	28.9	1.5	27.4
			12/29/16	422	32.9	0.7	32.2
			6/28/17	350	27.3	2.0	25.3
			12/21/17	326	25.4	0.9	24.5
			6/19/18	360	28.1	2.6	25.5
			12/19/18	350	27.3	4.2	23.1
			6/26/19	420	32.8	2.4	30.4
			12/30/19	410	32.0	4.0	28.0
			7/14/20	356	27.8	2.4	25.4
			12/18/20	298	23.2	3.0	20.2
			6/24/21	353	27.5	2.2	25.3
			12/22/21	232	18.1	2.5	15.6
			6/28/22	250	19.5	3.7	15.8
			1/6/23	265	20.7	2.7	18.0
			6/22/23	200	15.6	3.4	12.2
			1/4/24	340	26.5	2.7	23.8
			6/28/24	**342**	**26.7**	**3.1**	**23.6**
			1/2/25	**250**	**19.5**	**3.4**	**16.1**
VA-8	4	Administration Building	4/16/12	156	12.2	0.2	12.0
			7/11/12	160	12.5	1.2	11.3
			8/2/12	146	11.4	6.9	4.5
			9/15/12	135	10.5	0.3	10.2
			10/13/12	136	10.6	0.1	10.5
			11/17/12	135	10.5	3.8	6.7
			12/8/12	110	8.6	1.6	7.0
			1/26/13	158	12.3	2.0	10.3
			5/18/13	191	14.9	4.4	10.5
			9/21/13	123	9.6	5.1	4.5
			12/15/13	112	8.7	0.6	8.1
			3/8/14	170	13.3	2.0	11.3
			6/14/14	161	12.6	3.3	9.3
			9/13/14	166	12.9	2.0	10.9
			12/14/14	160	12.5	1.0	11.5
			8/14/15	132	10.3	3.4	6.9
			11/23/15	125	9.8	0.4	9.4
			6/14/16	119	9.3	3.5	5.8
			12/29/16	125	9.8	1.2	8.6
			6/28/17	145	11.3	0.5	10.8
			12/21/17	108	8.4	0.8	7.6
			6/19/18	381	29.7	1.9	27.8
			12/19/18	143	11.2	2.3	8.9
			6/26/19	225	17.6	0.7	16.9
			12/30/19	185	14.4	4.3	10.1
			7/14/20	156	12.2	2.0	10.2
			12/18/20	110	8.6	2.0	6.6
			6/24/21	95	7.4	1.4	6.0
			12/22/21	111	8.7	2.0	6.7
			6/28/22	211	16.5	3.9	12.6
			1/6/23	255	19.9	2.0	17.9
			6/22/23	155	12.1	2.2	9.9
			1/4/24	99	7.7	1.6	6.1
			6/28/24	**300**	**23.4**	**4.1**	**19.3**
			1/2/25	**180**	**14.0**	**1.8**	**12.2**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VE-1	4	Elevator Building	4/16/12	52	4.1	0.1	4.0
			7/11/12	94	7.3	0.3	7.0
			8/2/12	106	8.3	0.6	7.7
			9/15/12	109	8.5	0.2	8.3
			10/13/12	30	2.3	0.2	2.1
			11/17/12	133	10.4	3.2	7.2
			12/8/12	106	8.3	0.0	8.3
			1/26/13	43	3.4	0.1	3.3
			5/18/13	113	8.8	1.2	7.6
			9/21/13	90	7.0	1.2	5.8
			12/15/13	120	9.4	0.6	8.8
			3/8/14	38	3.0	0.8	2.2
			6/14/14	31	2.4	1.5	0.9
			9/13/14	117	9.1	0.2	8.9
			12/14/14	28	2.2	0.3	1.9
			8/14/15	Not collected -- key broke			
			11/23/15	65	5.07	0.4	4.67
			6/14/16	86	6.7	1.2	5.5
			12/29/16	Not collected -- unable to open			
			6/28/17	109	8.5	1.4	7.1
			12/21/17	106	8.3	1.2	7.1
			6/19/18	290	22.6	3.2	19.4
			12/19/18	321	25.0	2.0	23.0
			6/26/19	255	19.9	2.7	17.2
			12/30/19	Not Collected			
			7/14/20	120	9.4	0.7	8.7
			12/18/20	95	7.4	2.8	4.6
			6/24/21	105	8.2	3.0	5.2
			12/22/21	161	12.6	2.2	10.4
			6/28/22	315	24.6	4.2	20.4
			1/6/23	350	27.3	3.0	24.3
			6/22/23	98	7.6	3.5	4.1
			1/4/24	Not Collected			
			6/28/24	**295**	**23.0**	**1.8**	**21.2**
			1/2/25	**225**	**17.6**	**2.7**	**14.9**
TOTAL AIR FLOW SECOND QUARTER 2024 (BLOWER IB-1)					**192.2**	**23.7**	**168.5**
TOTAL AIR FLOW FOURTH QUARTER 2024 (BLOWER IB-1)					**125.1**	**21.2**	**103.9**
VB-1	4	Classroom Building B	4/16/12	245	19.1	0.1	19.0
			7/11/12	263	20.5	1.7	18.8
			8/2/12	258	20.1	2.0	18.1
			9/15/12	274	21.4	0.4	21.0
			10/13/12	258	20.1	0.2	19.9
			11/17/12	262	20.4	2.3	18.1
			12/8/12	266	20.7	1.9	18.8
			1/26/13	290	22.6	1.9	20.7
			5/18/13	264	20.6	1.2	19.4
			9/21/13	253	19.7	1.2	18.5
			12/14/13	284	22.2	3.7	18.5
			3/8/14	272	21.2	1.5	19.7
			6/14/14	313	24.4	3.0	21.4
			9/13/14	266	20.7	3.2	17.5
			12/14/14	252	19.7	1.9	17.8
			8/14/15	393	30.7	1.2	29.5
			11/23/15	348	27.1	0.3	26.8
			6/14/16	282	22.0	2.1	19.9
			12/29/16	345	26.9	1.8	25.1
			6/28/17	355	27.7	2.3	25.4
			12/21/17	245	19.1	1.6	17.5
			6/19/18	360	28.1	2.5	25.6
			12/19/18	268	20.9	4.1	16.8
			6/26/19	363	28.3	2.3	26.0
			12/30/19	335	26.1	3.7	22.4
			7/14/20	202	15.8	4.4	11.4
			12/18/20	256	20.0	3.2	16.8
			6/24/21	285	22.2	2.8	19.4
			12/22/21	336	26.2	2.3	23.9
			6/28/22	286	22.3	3.0	19.3
			1/6/23	295	23.0	3.5	19.5
			6/22/23	320	25.0	2.8	22.2
			1/4/24	330	25.7	3.4	22.3
			6/28/24	**325**	**25.4**	**2.3**	**23.1**
			1/3/25	**200**	**15.6**	**4.1**	**11.5**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VB-2	4	Classroom Building B	4/16/12	356	27.8	2.7	25.1
			7/11/12	310	24.2	2.0	22.2
			8/2/12	320	25.0	1.7	23.3
			9/15/12	328	25.6	2.2	23.4
			10/13/12	287	22.4	1.3	21.1
			11/17/12	297	23.2	1.1	22.1
			12/8/12	320	25.0	3.5	21.5
			1/26/13	319	24.9	1.1	23.8
			5/18/13	334	26.1	3.9	22.2
			9/21/13	301	23.5	2.8	20.7
			12/14/13	302	23.6	0.6	23.0
			3/8/14	297	23.2	2.8	20.4
			6/14/14	310	24.2	3.3	20.9
			9/13/14	293	22.9	1.5	21.4
			12/14/14	290	22.6	0.3	22.3
			8/14/15	342	26.7	3.7	23.0
			11/23/15	361	28.2	0.9	27.3
			6/14/16	250	19.5	0.9	18.6
			12/29/16	306	23.9	1.1	22.8
			6/28/17	260	20.3	1.8	18.5
			12/21/17	252	19.7	1.9	17.8
			6/19/18	340	26.5	3.2	23.3
			12/19/18	303	23.6	2.1	21.5
			6/26/19	382	29.8	3.0	26.8
			12/30/19	350	27.3	2.2	25.1
			7/14/20	258	20.1	2.2	17.9
			12/18/20	229	17.9	3.7	14.2
			6/24/21	285	22.2	3.0	19.2
			12/22/21	256	20.0	1.2	18.8
			6/28/22	320	25.0	3.1	21.9
			1/6/23	372	29.0	3.1	25.9
			6/22/23	285	22.2	3.7	18.5
			1/4/24	333	26.0	3.9	22.1
			6/28/24	**310**	**24.2**	**2.0**	**22.2**
			1/3/25	**250**	**19.5**	**3.9**	**15.6**
VB-3	4	Classroom Building B	4/16/12	210	16.4	0.3	16.1
			7/11/12	211	16.5	1.1	15.4
			8/2/12	195	15.2	1.7	13.5
			9/15/12	237	18.5	3.9	14.6
			10/13/12	215	16.8	0.2	16.6
			11/17/12	210	16.4	2.0	14.4
			12/8/12	198	15.4	1.7	13.7
			1/26/13	261	20.4	1.6	18.8
			5/18/13	205	16.0	2.4	13.6
			9/21/13	241	18.8	0.9	17.9
			12/14/13	240	18.7	0.9	17.8
			3/8/14	226	17.6	2.0	15.6
			6/14/14	224	17.5	1.1	16.4
			9/13/14	283	22.1	2.8	19.3
			12/14/14	248	19.3	0.5	18.8
			8/14/15	215	16.8	3.5	13.3
			11/23/15	242	18.9	0.5	18.4
			6/14/16	214	16.7	2.0	14.7
			12/29/16	285	22.2	0.8	21.4
			6/28/17	285	22.2	0.8	21.4
			12/21/17	220	17.2	2.0	15.2
			6/19/18	331	25.8	2.4	23.4
			12/19/18	272	21.2	4.9	16.3
			6/26/19	285	22.2	3.4	18.8
			12/30/19	275	21.5	3.3	18.2
			7/14/20	225	17.6	4.1	13.5
			12/18/20	387	30.2	2.7	27.5
			6/24/21	341	26.6	3.4	23.2
			12/22/21	264	20.6	2.5	18.1
			6/28/22	408	31.8	2.5	29.3
			1/6/23	356	27.8	3.4	24.4
			6/22/23	310	24.2	2.7	21.5
			1/4/24	295	23.0	3.5	19.5
			6/28/24	**273**	**21.3**	**1.2**	**20.1**
			1/3/25	**265**	**20.7**	**3.3**	**17.4**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VC-1	4	Classroom Building C	4/16/12	292	22.8	0.3	22.5
			7/11/12	285	22.2	1.7	20.5
			8/2/12	295	23.0	3.6	19.4
			9/15/12	288	22.5	1.8	20.7
			10/13/12	305	23.8	1.2	22.6
			11/17/12	270	21.1	4.8	16.3
			12/8/12	266	20.7	1.1	19.6
			1/26/13	322	25.1	2.4	22.7
			5/18/13	272	21.2	3.7	17.5
			9/21/13	306	23.9	1.6	22.3
			12/14/13	289	22.5	1.7	20.8
			3/8/14	264	20.6	1.3	19.3
			6/14/14	260	20.3	0.9	19.4
			9/13/14	275	21.5	2.0	19.5
			12/14/14	290	22.6	1.9	20.7
			8/14/15	220	17.2	2.0	15.2
			11/23/15	250	19.5	0.5	19.0
			6/14/16	229	17.9	1.2	16.7
			12/29/16	331	25.8	1.6	24.2
			6/28/17	230	17.9	0.8	17.1
			12/21/17	225	17.6	2.7	14.9
			6/19/18	250	19.5	2.7	16.8
			12/19/18	289	22.5	2.3	20.2
			6/26/19	320	25.0	3.5	21.5
			12/30/19	265	20.7	3.2	17.5
			7/14/20	335	26.1	3.0	23.1
			12/18/20	312	24.3	4.0	20.3
			6/24/21	271	21.1	4.0	17.1
			12/22/21	232	18.1	1.4	16.7
			6/28/22	350	27.3	2.7	24.6
			1/6/23	364	28.4	3.9	24.5
			6/22/23	295	23.0	2.1	20.9
			1/4/24	320	25.0	2.3	22.7
			6/28/24	**320**	**25.0**	**2.7**	**22.3**
			1/3/25	**185**	**14.4**	**3.0**	**11.4**
VC-2	4	Classroom Building C	4/16/12	340	26.5	1.8	24.7
			7/11/12	298	23.2	3.0	20.2
			8/2/12	318	24.8	6.0	18.8
			9/15/12	343	26.8	1.6	25.2
			10/13/12	330	25.7	1.2	24.5
			11/17/12	305	23.8	2.3	21.5
			12/8/12	283	22.1	1.4	20.7
			1/26/13	310	24.2	1.9	22.3
			5/18/13	314	24.5	2.7	21.8
			9/21/13	310	24.2	1.2	23.0
			12/14/13	422	32.9	2.8	30.1
			3/8/14	318	24.8	1.7	23.1
			6/14/14	318	24.8	4.8	20.0
			9/13/14	332	25.9	1.9	24.0
			12/14/14	333	26.0	3.7	22.3
			8/14/15	320	25.0	2.7	22.3
			11/23/15	354	27.6	1.8	25.8
			6/14/16	334	26.1	2.1	24.0
			12/29/16	361	28.2	1.9	26.3
			6/28/17	370	28.9	2.0	26.9
			12/21/17	283	22.1	0.5	21.6
			6/19/18	265	20.7	2.7	18.0
			12/19/18	319	24.9	3.0	21.9
			6/26/19	410	32.0	2.0	30.0
			12/30/19	385	30.0	3.7	26.3
			7/14/20	352	27.5	3.7	23.8
			12/18/20	351	27.4	2.0	25.4
			6/24/21	285	22.2	2.3	19.9
			12/22/21	254	19.8	2.1	17.7
			6/28/22	325	25.4	2.2	23.2
			1/6/23	285	22.2	5.1	17.1
			6/22/23	315	24.6	2.7	21.9
			1/4/24	355	27.7	4.1	23.6
			6/28/24	**285**	**22.2**	**3.0**	**19.2**
			1/3/25	**230**	**17.9**	**2.3**	**15.6**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VC-3	4	Classroom Building C	4/16/12	345	26.9	0.3	26.6
			7/11/12	303	23.6	3.0	20.6
			8/2/12	297	23.2	1.8	21.4
			9/15/12	333	26.0	2.3	23.7
			10/13/12	295	23.0	0.2	22.8
			11/17/12	284	22.2	3.5	18.7
			12/8/12	293	22.9	2.4	20.5
			1/26/13	315	24.6	1.6	23.0
			5/18/13	292	22.8	2.4	20.4
			9/21/13	354	27.6	1.8	25.8
			12/14/13	358	27.9	2.0	25.9
			3/8/14	295	23.0	2.0	21.0
			6/14/14	310	24.2	2.8	21.4
			9/13/14	317	24.7	3.6	21.1
			12/14/14	258	20.1	0.2	19.9
			8/14/15	220	17.2	3.0	14.2
			11/23/15	352	27.5	0.6	26.9
			6/14/16	254	19.8	0.5	19.3
			12/29/16	275	21.5	0.8	20.7
			6/28/17	280	21.8	1.1	20.7
			12/21/17	263	20.5	0.4	20.1
			6/19/18	285	22.2	2.8	19.4
			12/19/18	321	25.0	0.9	24.1
			6/26/19	330	25.7	3.2	22.5
			12/30/19	350	27.3	3.5	23.8
			7/14/20	346	27.0	4.1	22.9
			12/18/20	313	24.4	2.2	22.2
			6/24/21	Not accessible			
			12/22/21	Not accessible			
			6/28/22	Not accessible			
			1/6/23	Not accessible			
			6/22/23	Not accessible			
			1/4/24	Not accessible			
			6/28/24	**275**	**21.5**	**3.4**	**18.1**
			1/3/25	**205**	**16.0**	**2.7**	**13.3**
TOTAL AIR FLOW SECOND QUARTER 2024 (BLOWER IB-3)					**139.5**	**14.6**	**124.9**
TOTAL AIR FLOW FOURTH QUARTER 2024 (BLOWER IB-3)					**104.1**	**28.0**	**84.8**
VD-1	4	MPR/Food Service Building	4/16/12	396	30.9	2.0	28.9
			7/11/12	380	29.6	0.4	29.2
			8/2/12	300	23.4	3.0	20.4
			9/15/12	344	26.8	1.7	25.1
			10/13/12	314	24.5	0.3	24.2
			11/17/12	312	24.3	3.4	20.9
			12/8/12	330	25.7	2.7	23.0
			1/26/13	353	27.5	0.5	27.0
			5/18/13	302	23.6	2.4	21.2
			9/21/13	306	23.9	3.7	20.2
			12/14/13	0	0.0	0.0	0.0
			1/7/14	9	0.7	NA	NA
			3/8/14	0	0.0	0.0	0.0
			6/14/14	26	2.0	0.0	2.0
			9/13/14	0	0.0	0.4	-0.4
			12/14/14	0	0.0	0.4	-0.4
			8/14/15	318	24.8	0.2	24.6
			11/23/15	360	28.1	2.1	26.0
			6/14/16	309	24.1	0.5	23.6
			12/29/16	438	34.2	2.7	31.5
			6/28/17	258	20.1	2.3	17.8
			12/21/17	319	24.9	1.7	23.2
			6/19/18	265	20.7	1.4	19.3
			12/19/18	369	28.8	2.7	26.1
			6/26/19	344	26.8	2.9	23.9
			12/30/19	320	25.0	3.3	21.7
			7/14/20	Blower Inoperable			
			12/18/20	70	5.5	4.4	1.1
			6/24/21	290	22.6	5.5	17.1
			12/22/21	261	20.4	1.5	18.9
			6/28/22	189	14.7	3.4	11.3
			1/6/23	365	28.5	3.1	25.4
			6/22/23	250	19.5	2.6	16.9
			1/4/24	380	29.6	3.9	25.7
			6/28/24	**300**	**23.4**	**3.9**	**19.5**
			1/2/25	**285**	**22.2**	**2.0**	**20.2**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VD-2	4	MPR/Food Service Building	4/16/12	300	23.4	0.1	23.3
			7/11/12	370	28.9	2.7	26.2
			8/2/12	290	22.6	2.9	19.7
			9/15/12	302	23.6	2.5	21.1
			10/13/12	317	24.7	2.7	22.0
			11/17/12	280	21.8	0.9	20.9
			12/8/12	307	23.9	1.6	22.3
			1/26/13	290	22.6	0.3	22.3
			5/18/13	325	25.4	0.4	25.0
			9/21/13	354	27.6	1.8	25.8
			12/14/13	560	43.7	5.4	38.3
			3/8/14	625	48.8	1.9	46.9
			6/14/14	551	43.0	3.3	39.7
			9/13/14	409	31.9	2.9	29.0
			12/14/14	440	34.3	4.4	29.9
			8/14/15	54	4.2	2.3	1.9
			11/23/15	351	27.4	0.2	27.2
			6/14/16	332	25.9	2.3	23.6
			12/29/16	408	31.8	8.6	23.2
			6/28/17	350	27.3	2.0	25.3
			12/21/17	137	10.7	1.2	9.5
			6/19/18	350	27.3	2.2	25.1
			12/19/18	Not Collected			
			6/26/19	Not Collected			
			12/30/19	Not Collected			
			7/14/20	Blower Inoperable			
			12/18/20	Not Collected			
			6/24/21	261	20.4	2.2	18.2
			12/22/21	Not Collected			
			6/28/22	220	17.2	3.8	13.4
			1/6/23	370	28.9	2.3	26.6
			6/22/23	335	26.1	2.3	23.8
			1/4/24	250	19.5	2.6	16.9
			6/28/24	**173**	**13.5**	**5.5**	**8.0**
			1/2/25	**351**	**27.4**	**1.7**	**25.7**
VD-3	4	MPR/Food Service Building	4/16/12	303	23.6	5.0	18.6
			7/11/12	0	0.0	0.0	0.0
			7/16/12	303	23.6	6.6	17.0
			8/2/12	350	27.3	7.3	20.0
			9/15/12	381	29.7	1.4	28.3
			10/13/12	394	30.7	5.5	25.2
			11/17/12	405	31.6	4.7	26.9
			12/8/12	410	32.0	6.6	25.4
			1/26/13	377	29.4	2.1	27.3
			5/18/13	370	28.9	4.4	24.5
			9/21/13	341	26.6	5.5	21.1
			12/14/13	101	7.9	0.4	7.5
			3/8/14	0	0.0	0.2	-0.2
			6/14/14	0	0.0	0.0	0.0
			9/13/14	480	37.4	3.7	33.7
			12/14/14	343	26.8	4.1	22.7
			8/14/15	53	4.1	0.6	3.5
			11/23/15	381	29.7	3.7	26.0
			6/14/16	375	29.3	2.9	26.4
			12/29/16	475	37.1	5.5	31.6
			6/28/17	420	32.8	2.6	30.2
			12/21/17	323	25.2	4.5	20.7
			6/19/18	309	24.1	4.4	19.7
			12/19/18	371	28.9	3.7	25.2
			6/26/19	386	30.1	1.8	28.3
			12/30/19	350	27.3	3.4	23.9
			7/14/20	Blower Inoperable			
			12/18/20	362	28.2	1.2	27.0
			6/24/21	320	25.0	3.1	21.9
			12/22/21	185	14.4	0.9	13.5
			6/28/22	340	26.5	2.7	23.8
			1/6/23	375	29.3	3.5	25.8
			6/22/23	225	17.6	3.1	14.5
			1/4/24	330	25.7	4.3	21.4
			6/28/24	**315**	**24.6**	**2.9**	**21.7**
			1/2/25	**158**	**12.3**	**3.5**	**8.8**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VD-4	4	MPR/Food Service Building	4/16/12	427	33.3	7.2	26.1
			7/11/12	510	39.8	3.3	36.5
			8/2/12	386	30.1	4.2	25.9
			9/15/12	405	31.6	4.4	27.2
			10/13/12	423	33.0	5.3	27.7
			11/17/12	387	30.2	5.5	24.7
			12/8/12	402	31.4	5.6	25.8
			1/26/13	400	31.2	6.4	24.8
			5/18/13	424	33.1	5.9	27.2
			9/21/13	497	38.8	4.6	34.2
			12/14/13	658	51.3	5.4	45.9
			3/8/14	635	49.5	1.6	47.9
			6/14/14	641	50.0	3.4	46.6
			9/13/14	509	39.7	4.1	35.6
			12/14/14	533	41.6	6.7	34.9
			8/14/15	430	33.5	5.5	28.0
			11/23/15	490	38.2	2.0	36.2
			6/14/16	365	28.5	2.9	25.6
			12/29/16	400	31.2	2.0	29.2
			6/28/17	395	30.8	1.2	29.6
			12/21/17	349	27.2	1.5	25.7
			6/19/18	285	22.2	3.0	19.2
			12/19/18	420	32.8	1.7	31.1
			6/26/19	405	31.6	2.7	28.9
			12/30/19	395	30.8	2.5	28.3
			7/14/20	Blower Inoperable			
			12/18/20	396	30.9	3.9	27.0
			6/24/21	343	26.8	3.5	23.3
			12/22/21	232	18.1	2.2	15.9
			6/28/22	355	27.7	3.9	23.8
			1/6/23	320	25.0	3.7	21.3
			6/22/23	305	23.8	2.7	21.1
			1/4/24	280	21.8	3.1	18.7
			6/28/24	**318**	**24.8**	**4.8**	**20.0**
			1/2/25	**320**	**25.0**	**3.3**	**21.7**
VD-5	4	MPR/Food Service Building	4/16/12	285	22.2	0.2	22.0
			7/11/12	290	22.6	0.1	22.5
			8/2/12	250	19.5	0.1	19.4
			9/15/12	192	15.0	0.2	14.8
			10/13/12	267	20.8	0.2	20.6
			11/17/12	248	19.3	0.5	18.8
			12/8/12	263	20.5	0.9	19.6
			1/26/13	261	20.4	0.1	20.3
			5/18/13	264	20.6	0.5	20.1
			9/21/13	239	18.6	1.2	17.4
			12/14/13	305	23.8	0.2	23.6
			3/8/14	348	27.1	0.3	26.8
			6/14/14	321	25.0	0.5	24.5
			9/13/14	264	20.6	0.9	19.7
			12/14/14	299	23.3	0.1	23.2
			8/14/15	280	21.8	0.5	21.3
			11/23/15	250	19.5	0.2	19.3
			6/14/16	250	19.5	1.5	18.0
			12/29/16	300	23.4	0.6	22.8
			6/28/17	415	32.4	0.8	31.6
			12/21/17	220	17.2	2.0	15.2
			6/19/18	295	23.0	2.0	21.0
			12/19/18	333	26.0	2.3	23.7
			6/26/19	232	18.1	3.0	15.1
			12/30/19	250	19.5	2.8	16.7
			7/14/20	Blower Inoperable			
			12/18/20	502	39.2	2.5	36.7
			6/24/21	285	22.2	1.9	20.3
			12/22/21	Not Collected			
			6/28/22	275	21.5	3.0	18.5
			1/6/23	325	25.4	3.5	21.9
			6/22/23	280	21.8	2.0	19.8
			1/4/24	298	23.2	4.0	19.2
			6/28/24	**230**	**17.9**	**1.2**	**16.7**
			1/2/25	**153**	**11.9**	**1.2**	**10.7**

TABLE 7

ACTIVE VENT RISER MONITORING DATA -- HISTORICAL WITH SECOND AND FOURTH QUARTERS 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Vent Riser ID	Vent Riser Diameter (in)	Location	Date	Air Velocity (ft/min)	Active Air Flow (cfm)	Passive Air Flow (cfm)	Difference (cfm)
VD-6	4	MPR/Food Service Building	4/16/12	505	39.4	2.0	37.4
			7/11/12	500	39.0	1.1	37.9
			8/2/12	460	35.9	0.6	35.3
			9/15/12	535	41.7	0.1	41.6
			10/13/12	493	38.5	1.1	37.4
			11/17/12	446	34.8	2.7	32.1
			12/8/12	475	37.1	0.1	37.0
			1/26/13	481	37.5	1.4	36.1
			5/18/13	479	37.4	2.5	34.9
			9/21/13	463	36.1	1.2	34.9
			12/14/13	616	48.0	1.8	46.2
			3/8/14	602	47.0	0.6	46.4
			6/14/14	610	47.6	0.0	47.6
			9/13/14	517	40.3	0.9	39.4
			12/14/14	525	41.0	2.0	39.0
			8/14/15	512	39.9	4.7	35.2
			11/23/15	460	35.9	2.8	33.1
			6/14/16	462	36.0	1.2	34.8
			12/29/16	520	40.6	0.8	39.8
			6/28/17	505	39.4	1.6	37.8
			12/21/17	440	34.3	1.4	32.9
			6/19/18	311	24.3	2.4	21.9
			12/19/18	380	29.6	2.5	27.1
			6/26/19	395	30.8	3.3	27.5
			12/30/19	375	29.3	3.7	25.6
			7/14/20	Blower Inoperable			
			12/18/20	396	30.9	2.0	28.9
			6/24/21	331	25.8	4.4	21.4
			12/22/21	Not Collected			
			6/28/22	310	24.2	3.1	21.1
			1/6/23	290	22.6	2.7	19.9
			6/22/23	295	23.0	2.3	20.7
			1/4/24	275	21.5	3.2	18.3
			6/28/24	**412**	**32.1**	**1.7**	**30.4**
			1/2/25	**180**	**14.0**	**3.1**	**10.9**
TOTAL AIR FLOW SECOND QUARTER 2024 (BLOWER IB-2)					**136.3**	**20.0**	**116.3**
TOTAL AIR FLOW FOURTH QUARTER 2024 (BLOWER IB-2)					**112.9**	**14.8**	**98.1**

in = inches
cfm = cubic feet per minute
min = minutes
NA = Not available
[(a)] Air flow measured following removal of water from vent riser

Note: Highlighted cells show current monitoring period results
Blower 2 not in operation during July 2020 monitoring event

TABLE 8

SOIL GAS PROBE MONITORING DATA -- HISTORICAL AND FOURTH QUARTER 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Probe ID	Probe Depth	Location	Date	Initial Vacuum/ Pressure	Final Vacuum/ Pressure	Purge Volume	Methane		Hydrogen Sulfide	O_2	CO_2
	(ft bgs)			(in. H_2O)	(in. H_2O)	(1, 3, or 7)	(%)	(ppmv)	(ppmv)	(%)	(%)
SV-1	**3**	Surface Parking Lot	**2/27/25**	**0**	**0**	**1**	**0.2**	**2,000**	**<0.003**	**1.4**	**13.2**
	5		3/30/12	0	0	7	0	0	<0.003	0	12.2
	5 (lab dup)		3/30/12	NA	NA	NA	<0.001	<10	<0.004	NA	NA
	5		7/12/12	0	0	1	0	0	<0.003	0.3	19.8
	5		10/14/12	0	0	1	0.2	2,000	<0.003	0.4	24.6
	5		1/27/13	-0.1	-0.2	1	0.2	2,000	<0.003	0.6	16.3
	5		5/19/13	0	0	1	0.2	2,000	<0.003	0.4	21.7
	5		9/22/13	0	-40	Sample not collected due to water in probe					
	5		12/15/13	0	-80	Sample not collected due to water in probe					
	5		3/9/14	0	-100	Sample not collected due to water in probe					
	5		6/15/14	0	-30	Sample not collected due to water in probe					
	5		9/14/14	0	-60	Sample not collected due to water in probe					
	5		12/14/14	-3.2	NA	Sample not collected due to water in probe					
	5		8/11/15	NA	NA	Sample not collected due to water in probe					
	5		11/23/15	0	0	1	0	0	<0.003	21.4	0
	5		6/14/16	NA	NA	Sample not collected due to water in probe					
	5		12/29/16	NA	NA	Sample not collected due to water in probe					
	5		6/28/17	0	0	1	0	0	<0.003	20.7	0.1
	5		12/21/17	-1	0	1	<0.5	0	<0.003	18	2
	5		6/19/18	+3	0	1	0.1	1,000	<0.003	19.2	2.4
	5		12/20/18	0	Sample not collected due to water in probe						
	5		6/25/19	0	Sample not collected due to water in probe						
	5		12/26/19	0	Sample not collected due to water in probe						
	5		7/14/20	0	Sample not collected due to water in probe						
	5		12/18/20	0	Sample not collected due to water in probe						
	5		6/28/22	0	Sample not collected due to water in probe						
	5		1/4/23	0	Sample not collected due to water in probe						
	5		6/22/23	0	Sample not collected due to water in probe						
	5		1/5/24	0	Sample not collected due to water in probe						
	5		**6/27/24**		**Probe damaged, replaced at 3'**						
	15		3/30/12	+70	-40	7	0	0	0.015	3.2	12.3
	15		7/12/12	+60	>-100	Sample not collected due to high vacuum in probe					
	15		10/14/12	+76	NA	Sample not collected due to high vacuum in probe					
	15		1/27/13	+55	-35	Sample not collected due to high vacuum in probe					
	15		5/19/13	+64	-40	Sample not collected due to high vacuum in probe					
	15		9/22/13	+76	>-100	Sample not collected due to high vacuum in probe					
	15		12/15/13	+72	>-100	Sample not collected due to high vacuum in probe					
	15		3/9/14	+66	-100	1	1.3	13,000	<0.003	1.9	43.8
	15		6/15/14	+80	0	1	1.0	10,000	<0.003	0.9	43.5
	15		9/14/14	+88	0	1	1.0	10,000	0.007	0.8	40.2
	15		12/14/14	+70	-50	1	1.3	13,000	0.13	3.3	44.3
	15		8/11/15	NA	NA	Sample not collected due to water in probe					
	15		11/23/15	25	0	1	1.4	14,000	0	11.84	27.0
	15		6/14/16	+75	+15	1	1.4	14,000	<0.003	3.7	38.3
	15		12/29/16	+5	0	1	2.9	29,000	<0.003	1.1	50.7
	15		6/28/17	-3	NA	Sample not collected due to water in probe					
	15		12/21/17	+4	0	1	1.8	18,000	0.015	0	42.0
	15		6/19/18	-5	0	Sample not collected due to water in probe					
	15		12/20/18	0	0	Sample not collected due to water in probe					
	15		6/25/19	-10	Sample not collected due to water in probe						
	15		12/26/19	+8	0	1	1.5	15,000	<0.003	6.8	34.3
	15		7/14/20	0	0	1	1.6	16,000	<0.003	0	46.0
	15		12/18/20	-20	0	1	0.4	4,000	<0.003	16.4	12.2
	15		6/28/22	-20	Sample not collected due to water in probe						
	15		1/4/23	-10	Sample not collected due to high vacuum in probe						
	15		6/22/23	0	Sample not collected due to high vacuum in probe						
	15		1/5/24	0	Sample not collected due to high vacuum in probe						
	15		**6/27/24**	**0**	**Sample not collected due to water in probe**						
	15		**1/2/25**	**Sample not collected**							

TABLE 8

SOIL GAS PROBE MONITORING DATA -- HISTORICAL AND FOURTH QUARTER 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Probe ID	Probe Depth	Location	Date	Initial Vacuum/ Pressure	Final Vacuum/ Pressure	Purge Volume	Methane		Hydrogen Sulfide	O_2	CO_2
	(ft bgs)			(in. H_2O)	(in. H_2O)	(1, 3, or 7)	(%)	(ppmv)	(ppmv)	(%)	(%)
	3		**2/27/25**	**0**	**0**	**1**	**0**	**0**	**<0.003**	**5.5**	**1.9**
	5		3/30/12	0	0	7	0	0	<0.003	2.1	6.6
	5		7/12/12	0	0	1	0	0	<0.003	0.4	11.5
	5		10/14/12	0	-0.2	1	0.1	1,000	<0.003	0.3	15.3
	5 (lab dup)		10/14/12	NA	NA	NA	0.09	928	<0.004	NA	NA
	5		1/27/13	0	-0.4	1	0.1	1,000	<0.003	0.6	12.3
	5		5/19/13	0	0	1	0	0	<0.003	0.3	15.5
	5		9/22/13	0	0	1	0	0	<0.003	1.0	20.4
	5		12/15/13	0	0	1	0.1	1,000	0.14	0.7	16.3
	5		3/9/14	0	0	1	0.1	1,000	<0.003	1.2	17.1
	5		6/15/14	0	0	1	0	0	<0.003	0	21.4
	5		9/14/14	0	0	1	0.1	1,000	<0.003	1.0	26.5
	5		12/14/14	0	0	1	0.1	1,000	<0.003	0.5	21.7
	5		8/11/15	-3	0	1	0.1	1,000	0.003	7.0	36.1
	5		11/23/15	45	0	1	0.0	0	0.002	8.1	10.9
	5		6/14/16	0	0	1	0.0	0	0.012	20.7	0.0
	5		12/29/16	0	0	1	0.0	0	<0.003	0.9	25.1
	5		6/28/17	0	0	1	0	0	<0.003	20.5	0
	5		12/21/17	0	0	1	<0.5	0	<0.003	0	23.6
	5		6/19/18	0	0	1	<0.5	0	<0.003	5.3	24.3
	5		12/20/18	0	0	1	<0.5	0	<0.003	4.1	17.4
	5		6/25/19	0	0	1	<0.5	0	<0.003	8.2	18.8
	5		12/26/19	+1	0	1	0.1	1,000	<0.003	0	25.5
	5		7/14/20	0	0	1	<0.5	0	<0.003	0	23.3
	5		12/18/20	0	0	1	0.2	2,000	<0.003	3.1	20.4
	5		6/28/22	0	Sample not collected due to low or no flow in probe						
	5		1/4/23	0	Sample not collected due to low or no flow in probe						
	5		6/22/23	0	Sample not collected due to high vacuum in probe						
	5		1/4/23	0	Sample not collected due to high vacuum in probe						
	5		**6/27/24**	**0**	**Sample not collected due to water in probe**						
SV-2	**5**	Playfields	**1/2/25**	**Sample not collected**							
	14		3/30/12	+40	-80	7	0.1	1,000	<0.003	14.1	4.9
	14		7/12/12	+10	Sample not collected due to water in probe						
	14		10/14/12	+40	Sample not collected due to water in probe						
	14		1/27/13	+30	Sample not collected due to water in probe						
	14		5/19/13	+40	Sample not collected due to water in probe						
	14		9/22/13	+42	>-100	1	Insufficient Sample		6.5	Insufficient Sample	
	14		12/15/13	+42	>-100	1	Insufficient Sample		7.2	Insufficient Sample	
	14		3/9/14	+40	-55	1	0.6	6,000	Insuf. Samp.	1.9	25.8
	14		6/15/14	+50	-25	1	Insufficient Sample		3.2	Insufficient Sample	
	14		9/14/14	+56	-25	1	0.5	5,000	Insuf. Samp.	2.9	30.2
	14		12/14/14	+48	-46	1	0.7	7,000	Insuf. Samp.	4.2	27.6
	14		8/11/15	+10	0	1	0	0	0.01	8.2	30.3
	14		11/23/15	20	0	1	0	0	0.047	19.8	1.5
	14		6/14/16	+30	0	1	0	0	0.063	20.7	0
	14		12/29/16	+30	0	1	3.5	35,000	0.006	0	37.1
	14		6/28/17	0	0	1	0	0	<0.003	20.1	0
	14		12/21/17	+8	-8	1	2.7	27,000	<0.003	0	34.1
	14		6/19/18	+5	0	1	1.5	15,000	<0.003	1.7	10.5
	14		12/20/18	+10	0	1	1.6	16,000	<0.003	6.4	25.4
	14		6/25/19	0	0	1	1.2	12,000	<0.003	17.7	15.5
	14		12/26/19	+8	0	1	3.7	37,000	2.5	0	38.8
	14 (lab dup)		12/26/19	+8	0	1	3.52	35,200	4.1	--	--
	14		7/14/20	10	0	1	2.5	25,000	1.9	0	21.7
	14		12/18/20	0	Sample not collected due to water in probe						
	14		6/28/22	0	Sample not collected due to water in probe						
	14		1/4/23	0	Sample not collected due to water in probe						
	14		6/22/23	0	Sample not collected due to water in probe						
	14		1/5/24	0	Sample not collected due to water in probe						
	14		**6/27/24**	**0**	**Sample not collected due to water in probe**						
	14		**1/2/25**	**Sample not collected**							

TABLE 8

SOIL GAS PROBE MONITORING DATA -- HISTORICAL AND FOURTH QUARTER 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Probe ID	Probe Depth	Location	Date	Initial Vacuum/ Pressure	Final Vacuum/ Pressure	Purge Volume	Methane		Hydrogen Sulfide	O_2	CO_2
	(ft bgs)			(in. H_2O)	(in. H_2O)	(1, 3, or 7)	(%)	(ppmv)	(ppmv)	(%)	(%)
SV-3	**3**	Classroom Quad	**2/27/25**	**0**	**0**	**1**	**20.2**	**202,000**	**<0.003**	**0.9**	**13.5**
	3 (lab dup)		**2/27/25**	**0**	**0**	**1**	**6**	**60,000**	**<0.005**	**NA**	**NA**
	5		3/30/12	0	0	7	0	0	<0.003	6.8	10.3
	5		7/12/12	0	0	1	0.1	1,000	<0.003	2.1	14.6
	5		10/14/12	0	0	1	0	0	<0.003	2.6	16.3
	5		1/27/13	0	0	1	3.3	33,000	<0.003	1.1	14.5
	5		5/19/13	0	0	1	4.0	40,000	<0.003	0.3	21.0
	5		9/22/13	0	0	1	5.4	54,000	<0.003	1.4	29.0
	5 (field dup)		9/22/13	0	0	1	5.4	54,000	<0.003	0.7	29.5
	5 (lab dup)		9/22/13	0	0	1	4.2	42,000	<0.01	NA	NA
	5		12/15/13	0	0	1	9.1	91,000	<0.003	0.8	24.4
	5		3/9/14	0	0	1	14.0	140,000	<0.003	1.0	25.6
	5 (field dup)		3/9/14	0	0	1	14.6	146,000	<0.003	0.8	26.0
	5 (lab dup)		3/9/14	0	0	1	22.0	220,000	<0.01	NA	NA
	5		6/15/14	0	0	1	17.6	176,000	0.004	0.5	35.6
	5 (lab dup)		6/15/14	0	0	1	29.0	290,000	<0.01	NA	NA
	5		9/14/14	0	0	1	27.0	270,000	0.075	1.0	45.3
	5 (lab dup)		9/14/14	0	0	1	44.0	440,000	0.056	NA	NA
	5		12/14/14	0	0	1	27.8	278,000	0.38	0	33.5
	5 (lab dup)		12/14/14	0	0	1	44.0	460,000	0.262	NA	NA
	5		8/11/15	0	0	1	34.6	346,000	0.01	0	38.1
	5 (lab dup)		8/11/15	0	0	1	17.0	170,000	<0.005	NA	NA
	5		11/23/15	0	0	1	32.1	321,000	<0.003	1.4	37.8
	5 (lab dup)		11/23/15	0	0	1	82.0	820,000	<0.003	NA	NA
	5		6/14/16	0	0	1	25.6	256,000	0.021	0.3	43.5
	5 (lab dup)		6/14/16	0	0	1	0.0048	4.8	<0.005	NA	NA
	5		12/29/16	0	0	1	33.1	331,000	0.035	0.0	0.0
	5 (dup)		12/29/16	0	0	1	7.5	75,000	0.064	NA	NA
	5		6/28/17	0	0	1	0	0	<0.003	20.1	0
	5 (dup)		6/28/17	0	0	1	0.0007	7.7	<0.005	NA	NA
	5		12/21/17	0	0	1	30.2	302,000	0.21	0	33.8
	5 (lab dup)		12/21/17	0	0	1	7.0	70,000	0.015	NA	NA
	5		6/19/18	0	0	1	17.0	170,000	0.113	7	23.9
	5 (lab dup)		6/19/18	0	0	1	14	140,000	1.8	NA	NA
	5		12/20/18	0	0	1	36.8	368,000	1.28	0.7	20.3
	5 (lab dup)		12/20/18	0	0	1	35.9	359,000	9.5	NA	NA
	5		6/26/19	0	0	1	32.5	325,000	1.9	0.5	19.9
	5 (lab dup)		6/26/19	0	`	1	31.2	312,000	8.1	NA	NA
	5		12/26/19	0	Sample not collected due to water in probe						
	5		7/14/20	5	0	1	32.2	322,000	0.08	0	16.6
	5 (lab dup)		7/14/20	NA	NA	1	39.9	399,000	1.5	NA	NA
	5		12/18/20	10	0	1	19.4	194,000	0.27	10.8	13.3
	5 (lab dup)		12/18/20	NA	NA	1	16	160,000	1.1	NA	NA
	5		6/28/22	0	Sample not collected due to water in probe						
	5		1/4/23	0	Sample not collected due to high vacuum in probe						
	5		6/22/23	0	Sample not collected due to water in probe						
	5		1/5/24	0	Sample not collected due to high vacuum in probe						
	5		**6/27/24**	**0**	**Sample not collected due to water in probe**						
	5		**1/2/25**	**Sample not collected**							
	10		3/30/12	0	0	7	0	0	<0.003	6.7	10.3
	10		7/12/12	0	0	1	0	0	<0.003	2.5	13.9
	10		10/14/12	+0.6	-16	Sample not collected due to water in probe					
	10		1/27/13	-0.25	>-100	Sample not collected due to water in probe					
	10		5/19/13	-4	Sample not collected due to high vacuum and water in probe						
	10		9/22/13	-2	>-100	Sample not collected due to high vacuum in probe					
	10		12/15/13	-3.4	>-100	Sample not collected due to high vacuum in probe					
	10		3/9/14	-1	>-100	Sample not collected due to high vacuum in probe					
	10		6/15/14	-4.6	>-100	Sample not collected due to high vacuum in probe					
	10		9/14/14	-1	>-100	Sample not collected due to high vacuum in probe					
	10		12/14/14	-7	>-100	Sample not collected due to high vacuum in probe					
	10		8/11/15	0	0	1	0	0	0.01	1.0	40.0
	10		11/23/15	0	0	Sample not collected due to it being plugged					
	10		6/14/16	0	0	1	0	0	0.026	20.5	0
	10		12/29/16	NA	NA	Sample not collected due to water in probe					
	10		12/29/16	NA	NA	Sample not collected due to water in probe					
	10		6/28/17	0	0	1	0	0	0.01	20.5	0
	10		12/21/17	0	0	Sample not collected due to water in probe					
	10		6/19/18	0	0	Sample not collected due to water in probe					
	10		12/20/18	0	0	1	3.4	34,000	0.012	16.2	8.1
	10		6/26/19	0	0	1	2.8	28,000	0.015	15.3	10.1
	10		12/26/19	0	Sample not collected due to water in probe						
	10		7/14/20	0	Sample not collected due to water in probe						
	10		12/18/20	0	0	1	<0.5	0	<0.003	20	0
	10		6/28/22	10	Sample not collected due to high vacuum in probe						
	10		1/4/23	10	Sample not collected due to water in probe						
	10		6/22/23	10	Sample not collected due to water in probe						
	10		1/5/24	10	Sample not collected due to water in probe						
	10		**6/27/24**	**10**	**Sample not collected due to water in probe**						
	10		**1/2/25**	**Sample not collected**							

TABLE 8

SOIL GAS PROBE MONITORING DATA -- HISTORICAL AND FOURTH QUARTER 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Probe ID	Probe Depth	Location	Date	Initial Vacuum/ Pressure	Final Vacuum/ Pressure	Purge Volume	Methane		Hydrogen Sulfide	O_2	CO_2
	(ft bgs)			(in. H_2O)	(in. H_2O)	(1, 3, or 7)	(%)	(ppmv)	(ppmv)	(%)	(%)
SV-4	**3**	Classroom Quad	**2/27/25**	**0**	**0**	**1**	**0**	**0**	**<0.003**	**13.4**	**0.6**
	5		3/29/12	0	0	7	0	0	<0.003	0.8	10.8
	5		7/12/12	0	0	1	0	0	<0.003	0.4	14.3
	5		10/14/12	0	0	1	0	0	<0.003	0.8	15.7
	5		1/27/13	0	-0.2	1	0	0	<0.003	4.5	10.7
	5		5/19/13	0	0	1	0	0	<0.003	0.5	14.4
	5		9/22/13	0	0	1	0	0	<0.003	1.0	17.9
	5		12/15/13	-0.8	0	1	0.1	1,000	<0.003	1.0	14.2
	5		3/9/14	0	Sample not collected due to water in probe						
	5		6/15/14	-20	Sample not collected due to water in probe						
	5		9/14/14	-34	Sample not collected due to high vacuum and water in probe						
	5		12/14/14	-10	Sample not collected due to water in probe						
	5		8/11/15	-10	0	1	0	0	<0.003	10	25
	5		11/23/15	15	0	1	0	0	0.001	1.2	14
	5		6/14/16	0	0	1	0	0	0.005	20.6	0
	5		6/28/17	+0.3	0	1	0	0	<0.003	20.7	0
	5		12/21/17	0	0	Sample not collected due to water in probe					
	5		6/19/18	0	0	Sample not collected due to water in probe					
	5		12/20/18	0	0	Sample not collected due to water in probe					
	5		6/25/19	0	0	Sample not collected due to water in probe					
	5		12/26/19	0	Sample not collected due to water in probe						
	5		7/14/20	0	Sample not collected due to water in probe						
	5		12/18/20	0	0	1	<0.5	0	<0.003	20	0
	5		6/28/22	0	Sample not collected due to water in probe						
	5		1/4/23	0	Sample not collected due to low or no flow in probe						
	5		6/22/23	0	Sample not collected due to water in probe						
	5		1/5/24	0	Sample not collected due to water in probe						
	5		**6/27/24**	**0**	**Sample not collected due to high vacuum in probe**						
	5		**1/2/25**	**Sample not collected**							
	15		3/29/12	+60	-100	7	0	0	<0.003	2.5	21.2
	15		7/12/12	+52	>-100	Sample not collected due to high vacuum in probe					
	15		10/14/12	+46	>-100	Sample not collected due to high vacuum in probe					
	15		1/27/13	0	>-100	Sample not collected due to high vacuum in probe					
	15		5/19/13	0	>-100	Sample not collected due to high vacuum in probe					
	15		9/22/13	0	-6	Sample not collected due to water in probe					
	15		12/15/13	Sample not collected due to water in probe							
	15		3/9/14	+40	Sample not collected due to water in probe						
	15		6/15/14	+40	Sample not collected due to water in probe						
	15		9/14/14	+50	Sample not collected due to high vacuum in probe						
	15		12/14/14	-15	Sample not collected due to water in probe						
	15		8/11/15	+30	0	1	0	0	<0.003	12.2	28.2
	15		11/23/15	25	0	Sample not collected due to water in probe					
	15		6/14/16	+20	0	1	0	0	0.037	20.6	0
	15		12/29/16	+20	0	1	0	0	0	35.3	0
	15		6/28/17	-2	0	1	0	0	<0.003	20.8	0
	15		12/21/17	+2	0	1	<0.5	0	<0.003	7.7	22.1
	15		6/19/18	+3	0	1	<0.5	0	<0.003	16.5	12.1
	15		12/20/18	0	0	1	<0.5	0	<0.003	12.6	10.1
	15		6/25/19	+10	0	1	<0.5	0	<0.003	15.6	12.5
	15		12/26/19	+2	0	1	<0.5	0	<0.003	4.1	29.1
	15		7/14/20	+10	0	1	<0.5	0	<0.003	0	35.1
	15		12/18/20	0	0	1	0.1	0	<0.003	19.5	3.4
	15		6/28/22	0	Sample not collected due to high vacuum in probe						
	15		1/4/23	0	Sample not collected due to high vacuum in probe						
	15		6/22/23	0	Sample not collected due to high vacuum in probe						
	15		1/5/24	0	Sample not collected due to high vacuum in probe						
	15		**6/27/24**	**0**	**Sample not collected due to water in probe**						
	15		**1/2/25**	**Sample not collected**							

TABLE 8

SOIL GAS PROBE MONITORING DATA -- HISTORICAL AND FOURTH QUARTER 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Probe ID	Probe Depth	Location	Date	Initial Vacuum/ Pressure	Final Vacuum/ Pressure	Purge Volume	Methane		Hydrogen Sulfide	O_2	CO_2
	(ft bgs)			(in. H_2O)	(in. H_2O)	(1, 3, or 7)	(%)	(ppmv)	(ppmv)	(%)	(%)
SV-5	**3**	Classroom Quad	**2/27/25**	**0**	**0**	**1**	**0**	**0**	**<0.003**	**9.5**	**1.5**
	5 (purge 1)		3/29/12	0	0	1	0.8	8,000	<0.003	3.6	11.6
	5 (purge 3)		3/29/12	0	0	3	0.9	9,000	<0.003	1.8	11.5
	5 (purge 7)		3/29/12	0	0	7	0.9	9,000	<0.003	0	12.6
	5		7/12/12	0	Sample not collected due to water in probe						
	5		10/14/12	-0.1	>-100	Sample not collected due to high vacuum in probe					
	5		1/27/13	0	-10	1	8.0	80,000	<0.003	1.0	19.8
	5 (field dup)		1/27/13	0	-5	1	6.3	63,000	<0.003	5.9	14.0
	5 (lab dup)		1/27/13	NA	NA	NA	4.9	49,400	<0.004	NA	NA
	5		5/19/13	0	-40	1	7.3	73,000	0.004	0.8	23.3
	5 (field dup)		5/19/13	0	-32	1	9.1	91,000	0.004	0.4	24.3
	5 (lab dup)		5/19/13	NA	NA	NA	6.7	67,300	<0.004	NA	NA
	5		9/22/13	-2	-6	1	10.1	101,000	<0.003	1.3	28.2
	5		12/15/13	0	-40	1	14.4	144,000	<0.003	1.5	22.2
	5 (lab dup)		12/15/13	0	-40	1	20.0	200,000	<0.01	NA	NA
	5		3/9/14	0	-20	1	13.3	133,000	<0.003	2.1	21.2
	5		6/15/14	0	-70	1	9.6	96,000	0.008	0.8	26.1
	5		9/14/14	0	-50	1	3.3	33,000	0.005	1.5	25.0
	5		12/14/14	0	-40	1	10.4	104,000	Insuf. Samp.	1.0	24.0
	5		8/11/15	-3	0	1	0.0	0	0.003	18.5	20.0
	5		11/23/15	0	0	1	0.1	1,000	0.002	20.1	1.2
	5		6/14/16	0	0	1	<0.5	0	0.013	20.5	0
	5		12/29/16	NA	NA	Sample not collected due to water in probe					
	5		6/28/17	+5	0	1	<0.5	0	<0.003	20.3	0
	5		12/21/17	0	0	1	<0.5	0	<0.003	13.6	8.5
	5		6/19/18	0	0	1	<0.5	0	<0.003	10.3	15.3
	5		12/20/18	0	0	1	<0.5	0	<0.003	10.5	10.9
	5		6/25/19	-7	0	1	<0.5	0	<0.003	12.6	10.1
	5		12/26/19	-5	0	1	<0.5	0	<0.003	2.9	20.4
	5		7/14/20	+5	0	1	<0.5	0	<0.003	0	25.5
	5		12/18/20	-2	0	1	0.2	2,000	<0.003	18.8	2.8
	5		6/28/22	0	Sample not collected due to high vacuum in probe						
	5		1/4/23	-2	Sample not collected due to high vacuum in probe						
	5		6/22/23	0	Sample not collected due to high vacuum in probe						
	5		1/5/24	-2	Sample not collected due to high vacuum in probe						
	5		**6/27/24**	**0**	**Sample not collected due to high vacuum in probe**						
	5		**1/2/25**	**Sample not collected**							
	10		3/29/12	0	0	7	47.4	474,000	<0.003	0.9	20.8
	10 (purge 1)		7/12/12	0	0	1	32.4	324,000	0.2	0.8	22.9
	10 (purge 3)		7/12/12	0	-10	3	32.1	321,000	0.068	1.0	22.6
	10 (purge 7)		7/12/12	0	Sample not collected due to water in probe						
	10 (lab dup)		7/12/12	NA	NA	NA	16.9	169,000	0.014	NA	NA
	10		10/14/12	+0.1	-90	Sample not collected due to water in probe					
	10		1/27/13	-0.4	>-100	Sample not collected due to water in probe					
	10		5/19/13	-0.4	>-100	Sample not collected due to high vacuum in probe					
	10		9/22/13	-9	>-100	Sample not collected due to water in probe					
	10		12/15/13	-7	>-100	Sample not collected due to high vacuum in probe					
	10		3/9/14	-4.4	>-100	Sample not collected due to high vacuum in probe					
	10		6/15/14	-3	>-100	Sample not collected due to high vacuum in probe					
	10		9/14/14	-3	>-100	Sample not collected due to high vacuum in probe					
	10		12/14/14	-4	>-100	Sample not collected due to high vacuum in probe					
	10		12/14/14	-4	>-100	1	<0.5	0	0.003	16.1	10.5
	10		11/23/15	0	0	Sample not collected due to water in probe					
	10		6/14/16	0	0	1	<0.5	0	0	20.4	0.1
	10		12/29/16	0	0	1	<0.5	0	0.002	18.3	6
	10		6/28/17	0	0	1	<0.5	0	<0.003	20.8	0
	10		12/21/17	-3	0	1	<0.5	0	<0.003	16.7	5
	10		6/19/18	-2	0	Sample not collected due to high vacuum in probe					
	10		12/20/18	-2	0	1	<0.5	0	<0.003	18.1	2
	10		6/25/19	+1	0	1	<0.5	0	<0.003	12.6	10.1
	10		12/16/19	+10	0	1	<0.5	0	<0.003	35.1	8.4
	10		7/14/20	0	Sample not collected due to high vacuum in probe						
	10		12/18/20	+5	0	1	8.7	87,000	<0.003	3.9	19.5
	10		6/28/22	0	Sample not collected due to high vacuum in probe						
	10		1/4/23	+5	Sample not collected due to high vacuum in probe						
	10		6/22/23	0	Sample not collected due to high vacuum in probe						
	10		1/5/24	0	Sample not collected due to high vacuum in probe						
	10		**6/27/24**	**0**	**Sample not collected due to water in probe**						
	10		**1/2/25**	**Sample not collected**							

ft bgs = feet below ground surface
in. H_2O = inches of water
% = percent
ppmv = parts per million by volume
O_2 = oxygen
CO_2 = carbon dioxide
Note: Highlighted cells show current monitoring period results

TABLE 9

GAS SENSOR PROBE MONITORING DATA -- HISTORICAL AND FOURTH QUARTER 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Building	Sample ID	Date	Acetone	Benzene	Carbon Disulfide	Chloroform	Chloromethane	Dichlorodifluoro-methane	Ethylbenzene	Heptane	Isopropanol	Propylene	Tetrachloroethylene	Trichloroethene	Toluene	1,2,4-Trimethylbenzene	2,2,4-Trimethylpentane	o-Xylene	m,p-Xylenes	Other VOCs
Units				(ppbv)																	
Environmental Screening Levels				NA	15	NA	NA	NA	NA	NA	NA	NA	NA	35	44	42,462	NA	NA	13,800	13,800	NA
Probe M3-1A	Administration	M3-1A	12/14/13	2.0	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<1.0	<0.50	<0.50	--	0.52	<0.50	<0.50	<0.50	<1.0	ND
		DUP-1	12/14/13	<2.0	<0.50	0.56	<0.50	<0.50	0.56	<0.50	<0.50	<1.0	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<1.0	ND
		M3-1A	3/8/14	<2.0	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8	--	<0.50	<0.50	<0.50	<0.50	<1.0	ND
		M3-1A	6/15/14	<2.0	<0.50	<0.50	0.92	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.55	--	<0.50	<0.50	<0.50	<0.50	<1.0	ND
		DUP-1	6/15/14	<2.0	<0.50	0.76	<0.50	0.68	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<1.0	ND
		M3-1A	9/13/14	<2.0	<0.50	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.2	--	<0.50	0.86	<0.50	0.65	1.9	ND
		M3-1A	12/14/14	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	--	1.1	<0.50	<0.50	0.50	1.5	ND
		M3-1A	8/11/15	13	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	4.4	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A DUP	8/11/15	6.1	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	11/23/15	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	2.1	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A DUP	11/23/15	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	6/15/16	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	2.5	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	12/29/16	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A DUP	12/29/16	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	6/28/17	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	9.7	1.4	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	12/21/17	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	12	3.1	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A Dup	12/21/17	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	38	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	6/27/18	<5.0	<1.0	<1.0	1.8	<5.0	<1.0	<1.0	<1.0	<5.0	NA	3.9	1.2	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	12/20/18	9.1	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	4.1	1.0	<1.0	<1.0	NA	<1.0	<2.0	19 / 1.1 [2]
		M3-1A (Dup)	12/20/18	11	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	4.2	35	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	6/27/19	8.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.1	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	12/26/19	8.1	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.7	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A (dup)	12/26/19	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	32	5.3	<1.0	2.2	NA	<1.0	<2.0	ND
		M3-1A	7/14/20	5.9	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.8	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	12/18/20	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.7	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A (dup)	12/18/20	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1A	6/24/21	17	<1.0	1.9	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.7	<1.0	<1.0	<1.0	NA	<1.0	<2.0	25 /20 [5]
		M3-1A	6/28/22	6.4	0.78	0.97	<1.0	<5.0	0.59	0.82	<1.0	<5.0	NA	1.9	0.85	4.9	1.0	NA	0.97	3.3	2.2, 12, 1.1, 2.2 [7]
		M3-1A (dup)	6/28/22	11	<0.044	1.8	<1.0	<5.0	0.56	1.7	<1.0	<5.0	NA	0.96	<1.0	1.4	0.67	NA	1.0	4.2	0.78, 3.1, 0.78, 1.7 [8]
		M3-1A	1/4/23	5.0	0.52	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	1.2	0.58	0.91	NA	<1.0	<2.0	4.1, 1.7, 37 [10]
		M3-1A	6/21/23	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	8.0 [13]
		M3-1A (dup)	6/21/23	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	2.5 J [14]
		M3-1A	1/3/24	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	2.9	<1.0	<1.0	<1.0	NA	<1.0	<2.0	1.4 1.2, 6.3 J [15]
		M3-1A (dup)	1/3/24	1.6 J	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	0.40 J	<1.0	<1.0	<1.0	NA	<1.0	<2.0	2.3, 4.5 J [16]
		M3-1A	**6/28/24**	**6.4**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**NA**	**3.9**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	
		M3-1A	**1/13/25**	**6.9**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**NA**	**1.2**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	
		M3-1A (dup)	**1/13/25**	**<5.0**	**<1.0**	**1.0**	**<1.0**	**<5.0**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**NA**	**1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	

TABLE 9

GAS SENSOR PROBE MONITORING DATA -- HISTORICAL AND FOURTH QUARTER 2024
LAUSD Playa Vista Elementary School
Los Angeles, California 90094

Monitoring Point	Building	Sample ID	Date	Acetone	Benzene	Carbon Disulfide	Chloroform	Chloromethane	Dichlorodifluoro-methane	Ethylbenzene	Heptane	Isopropanol	Propylene	Tetrachloroethylene	Trichloroethene	Toluene	1,2,4-Trimethylbenzene	2,2,4-Trimethylpentane	o-Xylene	m,p-Xylenes	Other VOCs
Units				(ppbv)																	
Environmental Screening Levels				NA	15	NA	NA	NA	NA	NA	NA	NA	NA	35	44	42,462	NA	NA	13,800	13,800	NA
Probe M3-1B	Administra-tion	M3-1B	12/14/13	2.5	<0.50	0.58	<0.50	<0.50	0.50	<0.50	<0.50	<1.0	<0.50	<0.50	--	0.95	<0.50	<0.50	<0.50	<1.0	ND
		M3-1B	3/8/14	4.8	0.64	<0.50	<0.50	0.77	0.51	0.56	0.51	<1.0	1.7	<0.50	--	2.8	0.79	0.69	0.76	2.2	ND
		DUP-1	3/8/14	2.2	<0.50	0.66	<0.50	1.1	0.51	<0.50	<0.50	<1.0	1.1	<0.50	--	1.1	<0.50	<0.50	<0.50	1.1	ND
		M3-1B	6/15/14	2.4	<0.50	0.60	<0.50	0.89	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	--	0.50	<0.50	<0.50	<0.50	<1.0	ND
		M3-1B	9/13/14	3.9	<0.50	0.63	<0.50	1.1	<0.50	0.67	<0.50	<1.0	<0.50	<0.50	--	3.6	1.2	<0.50	1.0	3.0	ND
		DUP-1	9/13/14	5.0	<0.50	1.0	<0.50	1.5	0.56	<0.50	<0.50	1.1	0.96	<0.50	--	1.7	0.55	<0.50	<0.50	1.4	ND
		M3-1B	12/14/14	4.5	<0.50	0.54	<0.50	0.66	<0.50	<0.50	<0.50	<1.0	0.88	<0.50	--	2.1	<0.50	<0.50	0.51	1.6	ND
		DUP-1	12/14/14	<2.0	<0.50	0.58	<0.50	<0.50	0.50	<0.50	<0.50	<1.0	<0.50	<0.50	--	1.2	<0.50	<0.50	0.55	1.7	ND
		M3-1B	8/11/15	11.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	11/23/15	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	6/15/16	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	2.5	7.1	<1.0	<1.0	NA	<1.0	<2.0	2.9 [1]
		M3-1B DUP	6/15/16	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.6	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	1/3/00	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	6/28/17	<5.0	<1.0	1.1	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	6/28/17	7.5	<1.0	2.1	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	12/21/17	<5.0	<1.0	2.1	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	6/27/18	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	2.3	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B (Dup)	6/27/18	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	6.3	2.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	12/20/18	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	2.7	2.9	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	6/27/19	34.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.5	<1.0	<1.0	<1.0	NA	<1.0	<2.0	5.2 [3]
		M3-1B (Dup)	6/27/19	8.6	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	1.1	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	12/26/19	<5.0	<1.0	2.1	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	7/14/20	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	3.1	5.9	<5.0	NA	6.0	<1.0	5.9	3.9	NA	3.1	12	1.6, 1.4 [4]
		M3-1B (Dup)	7/14/20	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	1.8	<1.0	<1.0	<1.0	NA	<4.4	<8.8	ND
		M3-1B	12/18/20	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	ND
		M3-1B	6/24/21	8.2	<1.0	1.8	<1.0	0.63	0.60	<1.0	<1.0	<5.0	NA	0.54	<1.0	0.45	<1.0	NA	<1.0	0.62	1.2, 1.4, 1.0,3.9 [9]
		M3-1B	1/4/23	3.4	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	6.5	<1.0	<1.0	NA	<1.0	<2.0	0.64, 27 [11]
		M3-1B (Dup)	1/4/23	8.0	<1.0	0.84	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	0.42	<1.0	NA	<1.0	<2.0	2.0, 50, 2.3 [12]
		M3-1B	6/21/23	8.4	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	6.6, 7.5, 1.9 J [17]
		M3-1B	1/3/24	4.0 J	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	NA	6.1	<1.0	1.2	<1.0	NA	0.99 J	2.7	2.9, 0.47 J, 8.5 J, 0.63 J, 2.2 [18]
		M3-1B	**6/28/24**	**<5.0**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**NA**	**1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	8.3 [19]
		M3-1B (Dup)	**6/28/24**	**<5.0**	**2.0**	**<1.0**	**<1.0**	**<5.0**	**<1.0**	**1.0**	**<1.0**	**<5.0**	**NA**	**<1.0**	**<1.0**	**7.7**	**1.1**	**NA**	**1.1**	**3.3**	
		M3-1B	**1/13/25**	**14**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**NA**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	

[1] = Tetrahydrofuran
[2] = Isopropyl alcohol, cis-1,2-dichloroethene
[3] = Isopropyl alcohol
[4] = 4-Ethyltoluene, 1,3,5-Trimethylbenzene
[5] = Tetrahydrofuran, 2-butanone
[6] = Tetrahydrofuran, 1,2,4-trimethylbenzene, cis-1,2-dichloroethene
[7] = Isopropyl alcohol, 2-butanone, methylene chloride, tetrahydrofuran
[8] = Hexane, methylene chloride, 2-butanone, isoproyl alcohol
[9] = 2-Butanone, isoproyl alcohol, hexane, methylene chloride
[10] = Isoproyl alcohol, hexane, methylene chloride
[11] = Hexane, methylene chloride
[12] = Hexane, methylene chloride, 2-butanone
[13] = Methylene chloride
[14] = Methylene chloride
[15] = Cyclohexane, hexane, methylene chloride
[16] = Hexane, methylene chloride
[17] = Isopropyl alcohol, methylene chloride, 2-butanone
[18] = Hexane, 4-Ethyltoluene,, Isopropyl alcohol, methylene chloride, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene
[19] = Cyclohexane

ppbv = parts per billion by volume
CHHSL = California Human Health Screening Level for soil gas vapor intrusion to indoor air. Assumes a residential land use and soil gas data collected at <5 feet below a building foundation.
NA = Not available
ND = Not detected; detection limits variable
J = Detection below the Report Limit but above the Method Detection Limit and is an estimated value.
Note: Highlighted cells show current monitoring period results

Appendix A

DTSC Correspondence

Yana Garcia
Secretary for
Environmental Protection

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
5796 Corporate Avenue
Cypress, California 90630

Gavin Newsom
Governor

March 27, 2024 **SENT VIA ELECTRONIC MAIL**

Mr. Anthony Espinoza
Environmental Health Manager
Office of Environmental Health and Safety
Los Angeles Unified school District
333 South Beaudry Avenue, 27th Floor
Los Angeles, California 90017
anthony.espinoza@lausd.net

CONDITIONAL APPROVAL OF GAS MITIGATION SYSTEM ANNUAL 2023 ANNUAL OPERATION & MAINTENANCE REPORT AND FIVE-YEAR REVIEW, CENTRAL REGION ELEMENTARY SCHOOL #22 (PLAYA VISTA), 13150 WEST BLUFF CREEK DRIVE, LOS ANGELES (SITE CODE: 304564)

Dear Mr. Espinoza:

The Department of Toxic Substances Control (DTSC) reviewed the "Gas Mitigation System 2023 Annual Operation & Maintenance Report and Five Year Review" (Report) (Clark Seif Clark, Inc., February 2024), received on February 28, 2024. The Report documents the 2023 operation and maintenance (O&M) inspection and monitoring activities and presents findings and recommendations of a Five-Year Review of the gas mitigation system (GMS) at the Playa Vista Elementary School (formerly Central Region Elementary School #22) site (Site).

The 4.08-acre Site has historically been vacant land and was part of the former Hughes Aircraft facility. It is bounded by Bluff Creek Drive and residential development to the north, a vacant lot to the east, a sports park and Lincoln Boulevard to the west, and a flood control/riparian corridor to the south-southeast. The Site was used periodically for ranching and/or farming, and later used for soil stockpiling and construction staging activities. Currently, Playa Vista Elementary School is operating at this Site. The Site is also located in a methane zone designated by the City of Los Angeles.

A Master Oversight Agreement, Docket No. HSA-A 99/00-051, between DTSC and the Los Angeles Unified School District (LAUSD), project proponent for the Site, was executed on February 10, 2000. Environmental assessments and investigations

conducted between 2002 and 2008 identified elevated levels of vinyl chloride in soil gas, methane in soil gas, petroleum hydrocarbons in soil, and volatile organic compounds (VOCs) in groundwater. A Remedial Action Plan (The Planning Center, July 7, 2010) was approved by DTSC on December 31, 2009. A Remedial Action Completion Report (RACR) (Planning Center, May 10, 2010) for the first phase of remedial activities (i.e., excavation of soil contaminated with petroleum hydrocarbons and vinyl chloride) was approved by DTSC on August 18, 2010.

Remedial activities for the second and final phase included construction and start-up testing of the GMS, installation of soil gas probes and groundwater monitoring wells, and abandonment of soil gas probes used for investigation. On June 29, 2012, following review of a second RACR (The Planning Center, June 22, 2012), DTSC provided conditional approval to allow Site occupancy. On January 22, 2014, DTSC issued a letter to confirm that remaining conditions were satisfied, and the status of the Site was subsequently changed to “certified with operation and maintenance”.

DTSC approved the Post-Remediation O&M Plan (The Planning Center, June 26, 2012) on July 3, 2012. Inspection and monitoring of the GMS are conducted in accordance with the O&M Plan and associated O&M Agreement (Docket No. HSA-O&MEA 12/13-061), executed on February 25, 2013. Components of the GMS are routinely inspected, tested, and monitored. This includes building interiors, outdoor areas, vent risers, air injection blowers, building ventilation systems, gas detection/alarm systems, soil gas probes, and sub-slab probes. The GMS inspection, testing and monitoring activities were conducted at the Site on April 4, June 21 to June 23, September 29, 2023, and January 3, 4 and 5, 2024.

The Report concludes:

- Visible portions of the vent risers are generally in good condition;
- Concentrations of methane and hydrogen sulfide in the airspaces of buildings, outdoor areas, enclosed spaces, and vent risers were below established Site-specific action levels (SSALs) and do not pose a health risk or safety hazard to occupants of the school;
- Concentrations of methane, hydrogen sulfide, and VOCs beneath building floor slabs, as determined from vent riser and sub-slab monitoring, were below established SSALs; and
- No incidents during the reporting period related to elevated methane or hydrogen sulfide concentrations, reports of odors, or other evidence of gas seepage.

The Report recommends:

- Annual inspection and monitoring of the GMS as outlined in the Updated O&M Plan (Clark Seif Clark, Inc., March 2021), approved by the DTSC on April 12, 2021.
- Inspection of the sampling pump performance and download of the system alarm history quarterly; and
- Functional testing and calibration of the gas detection and alarm system semiannually while the gas detection and alarm system remain operating.

DTSC concurs with these conclusions and recommendations and hereby approves the Report provided the enclosed comments are incorporated during future fieldwork and/or reports. Revisions to the Report are no longer necessary. Please include a table with responses to the enclosed comments along with the next scheduled report.

If you have any questions regarding this project, please contact Mr. Johnson P. Abraham, Project Manager, at (714) 484-5380 or Johnson.Abraham@dtsc.ca.gov or contact me at (714) 484-5368 or at Shahir.Haddad@dtsc.ca.gov.

Sincerely,

Shahir Haddad, P.E.
Branch Chief
Brownfields Restoration and School Evaluation Branch
Site Mitigation and Restoration Program

mm/ja/sh

Enclosure

cc: See next page.

cc: (via e-mail)

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Contract Professional
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Mr. Jeffery Bannon, P.G.
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Brownfields Restoration and School Evaluation Branch Reading File – Cypress

DTSC COMMENTS
GAS MITIGATION SYSTEM ANNUAL 2023 ANNUAL OPERATION & MAINTENANCE REPORT AND FIVE-YEAR REVIEW
CENTRAL REGION ELEMENTARY SCHOOL #22 (PLAYA VISTA)
13150 WEST BLUFF CREEK DRIVE
LOS ANGELES

The following DTSC staff reviewed and provided comments herein to the "Gas Mitigation System 2023 Annual Operation & Maintenance Report and Five Year Review" (Report). Please contact the Project Manager if you have any questions on the comments.

Marissa Woolsey
Hazardous Substances Engineer
Engineering and Special Projects Office

COMMENTS:

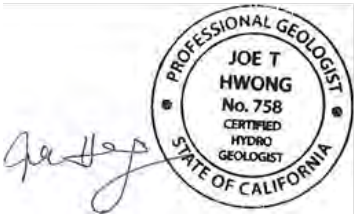
1. Section 6.7 entitled 5-Year Review Conclusions and Recommendation notes that water has been found routinely in several of the soil gas probes. Has the water found in the soil gas probes been addressed, or has rebuilding these probe locations been discussed? Please specify a plan of action to address this issue.

2. In section 3.1, VC-3 is indicated to have been covered with overgrown brush and VL-7 is said to have been clogged during the fourth quarter inspection. Has the proprietor reached out to the adjacent park's management to see if brush can be cleared from VC-3 and has the clogging in VL-7 been cleared? Please provide a timeline of completion.

3. Section 4.3.6.2 indicates that soil gas probes SV-1 through SV-5 were unable to be sampled due to having low or no flow, and some of the probes contained water in the tubing. Is a plan being set up to rehabilitate these probes to continue biennial sampling? Please provide a timeline for completion.

4. ESPO concurs with the new action items proposed in section 7.2.2.

Joe Hwong, P.G., C.HG.
Senior Engineering Geologist
Brownfields Restoration and School Evaluation Branch



COMMENTS:

1. Several vapor wells were not sampled due to high vacuum in the well heads. The DTSC Geologist recommends the system be shut down at least for a week prior to conducting the sampling in soil vapor wells.

Appendix B

Inspection Forms and Field Reports

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 1
GMS INSPECTION CHECKLIST - VENT RISERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Gassett Date: 3-28-24

Time: _____

Building	Vent Riser ID	Access Code	Riser Exterior	Wall Box	Sample Port	Maintenance / Repair Notes
Administration / Library Building (A)	VA-1	--	X			
	VA-2	--	X			
	VA-3	WB		X		
	VA-4	--				
	VA-5	WB		X		
	VA-6	WB		X		
	VA-7	WB		X		
	VA-8	--	X			
Classroom Buildings (B/C)	VB-1	WB/L		X		
	VB-2	WB/L		X		
	VB-3	WB/L		X		
	VC-1	WB/L		X		
	VC-2	WB/L		X		
	VC-3	WB/L		X		
MPR / Food Service Building (D)	VD-1	--	X			
	VD-2	--	X			
	VD-3	--	X			
	VD-4	WB		X		
	VD-5	WB		X		
	VD-6	WB		X		
Elevator Tower (ET)	VE-1	WB/E		X		
Subsurface Vent Wells	VM-1	none	X			
	VM-2	--	X			
Hardscape Areas	VL-1	--	X			
	VL-2	--	X			
	VL-3	--	X			
	VL-4	--	X			
	VL-5	--	X			
	VL-6	--	X			
	VL-7	--	X			
	VL-8	--	X			
	VL-9	WB		X		
	VL-10	--	X			
	VL-11	--	X			
	VL-12	--	X			
	VL-13	--	X			
	VL-14	WB/K		X		
	VL-15	--	X			
	VL-16	--	X			

Notes
X denotes area/item has been inspected
Access Codes = WB - Wall Box, WB/K = Wall Box with Key, L = Ladder, WB - Allen key required to access box

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 2
GMS INSPECTION CHECKLIST - BUILDINGS AND OUTDOOR AREAS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 3-28-24
Time: 8-12 -

Building	Floor Surface	Maintenance / Repair Notes			
Administration / Library Building (A)	X				
Classroom Buildings (B/C)	X				
MRP / Food Service Building (D)	X				
Elevator Tower (ET)	X				
Outdoor Area	**Ground Surface**	**Vegetation**	**Irrigation**	**Fencing**	**Maintenance / Repair Notes**
Landscape Areas	X	X	X	X	
Hardscape Areas	X	X	X	X	

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 3
GMS INSPECTION CHECKLIST - SOIL GAS PROBES
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 3-28-24
Time: 8:12

SOIL GAS PROBES					
Probe Number	**Accessible**	**Vault Condition**	**Probe Valves**	**Probe Labels**	**Maintenance / Repair Notes**
SV-1	X	X			Interior is not inspected
SV-2	X	X			
SV-3	X	X			
SV-4	X	X			
SV-5	X	X			
SV-6	No longer monitored				
SV-7	No longer monitored				

Notes
X denotes area/item has been inspected

Groundwater wells are no longer monitored by LAUSD.

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 4
GMS INSPECTION CHECKLIST - METEOROLOGICAL STATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector Name: AGaiff

Date: 3-28-24
Time: _____

Metorological Station	Inspected	Condition	Maintenance / Repair Notes
Location (GMS Equipment Room)			NOT IN USE
Receiver Display			
Data Logger			
Power			
Download Data			

Notes
X denotes area/item has been inspected
Measures and records wind speed, wind direction, barometric pressure, temperature and precipitation

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INSPECTION FORM NUMBER 5
GMS INSPECTION CHECKLIST - SIGN POSTING
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGrimm

Date: 3-28-24
Time: _____

Building / Area	Location	Legible	Condition	Maintenance / Repair Notes
Administration / Library Building (A)	Southwest Wall	Yes		
	East Wall			
Classroom Buildings (B)	Southwest Wall			
Classroom Buildings (C)	Northwest Wall			
MRP/Food Service Building (D)	Northwest Wall			
	Southwest Wall			
Elevator Tower €	East Wall			
Hardscape Areas	Parking Lot			
	Classroom Quad			
	Play Courts			
	Plant Manager Office			

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 6
GMS INSPECTION CHECKLIST - GAS DETECTION/ALARM SYSTEM
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett Date: 3-28-24
Time: _____

System Check	M2-1	M3-1	M3-2	Maintenance / Repair Notes
Panel Type	Simplex	Duplex	Duplex	
Building	D	A/E	B/C	
Blowers	IB-2	IB-1	IB-3	
Sample Pumps	X	X	X	
Pump Vaccuum ("Hg)	1-2	1-2	1-2	All low vacuum
Air Filters	X	X	X	
Condensate Traps	X	X	X	
Solenoid Valves	X	X	X	
Rotometers	X	X	X	
Flow Rate (cfh)	50	50	50	All low flow
UPS/Batteries	X	X	X	
Indicator Lights	X	X	X	
PLC Display / Strobe Check	X	X	X	
HMI Display	X	X	X	
CH4 Concentration (% LEL)	0	0	0	
H2S Concentration (ppmv)	0	0	0	
Download Data (Alarm History)	Alarm History and Gas Trend			
CALIBRATION AND SYSTEM TESTS (TEST MODE)				
Calibration				
Low CH4 Alarm				NXT Q
Low H2S Alarm				
HIGH CH4 Alarm				
HIGH H2S Alarm				
Sensor Fault				
Sample Pump Failure				
Power Failure	Test PLC and Sensor Panels			

Notes
X denotes area/item has been inspected

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INSPECTION FORM NUMBER 7
GMS INSPECTION CHECKLIST - AIR INJECTION BLOWERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garsett

Date: 3-28-24
Time: _____

System Check		M2-1	M3-1	M3-2	Maintenance / Repair Notes
Blower ID		IB-2	IB-1	IB-3	
Building		D	A/E	B/C	
Control Panel		X	X	X	
Blower Pad		X	X	X	
Manual Start		X	X	X	
Air Flow (SCFM)	Start Time	100	125	125	
	End Time	100	125	125	
Pressure (PSI)	Start Time	3.0	3.25	3.0	
	End Time	3.0	3.25	3.0	
Totalizer (Hrs)	Start Time	9132	991	2020	
	End Time	9132	991	2020	

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INSPECTION FORM NUMBER 8
GMS INSPECTION CHECKLIST - CONDENSATE TRAPS AND SUMP
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Gossett

Date: 3-28-24

Time: -

Trap/Sump	Condition	Initial Water Level	Final Water Level	Water Removed Gallons	Maintenance / Repair Notes
VA-1	Good	0		0	Plug in place
Outside Elevator Tower (Building E)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	
M3-1/A	Good	0		0	
M3-1/B	Good	0		0	
M3-2/A	Good	0		0	
M3-2/B	Good	0		0	
Outside MPR/Food Service Building (Building D)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	

INSPECTION PROCEDURES

1. Open access cap on riser from condenste trap or sump.
2. Drop a wooden measuring stick into riser and withdraw; then measure the wetted length in inches from the bottom of the stick.
3. Remove collected water from condensate traps using a hand pump or vacuum pump with inline water trap from either the riser or at copper pipe drain connection in elevator room. Measure volume of water removed to nearest 1/8th gallon. Dispose of water to planter areas or sewer. No water transfer is needed from VA-1 sump as it should just be allowed to seep into ground.
4. Measure level of water remaining in trap.
5. Replace access cap on riser to condenste trap or sump.

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INSPECTION FORM NUMBER 9
GMS INSPECTION CHECKLIST - NON-OCCUPIED ROOM VENTILATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarlt

Date: 3-28-24
Time:

PASSIVE DOOR LOUVERS (Inspected Quarterly)				
Room Number	Description	Condition	Obstructions	Maintenance / Repair Notes
1-108	Storage	Good	None	
1-109	Storage	Good	None	
1-153A	Storage	Good	None	
2-106A	Utility Closet	Good	None	

MECHANICAL FANS (Inspected Annually)						
Room Number	Description	Functioning?	Room Number	Description	Functioning?	Maintenance / Repair Notes
1-101A	Nurse Waiting Area		2-107	Womens Restroom		
1-101C	Health Unit Restroom		4-101	GMS Equip. Room		
1-101E	Public Restroom		4-102	Custodian Room		
1-102C	Pricipal's Restroom		5-101A	Womens Restroom		
1-102H	Mens Restroom		5-101B	Mens Restroom		
1-102J	Womens Restroom		5-102A	Storage		
1-112A	Storage		5-102B	Custodian Room		
1-113	Custodian Room		5-104	Girls Restroom		
1-114A	Boys Restroom		5-105	Boys Restroom		
1-114B	Girls Restroom		5-106G	Custodian Room		
1-115A	Boys Restroom		5-106H	Staff Restroom		
1-115B	Girls Restroom		5-109	Utility Closet		
2-104	Mens Restroom		5-111A	Womens Restroom		
2-105	Boys Restroom		5-111C	Mens Restroom		
2-106	Girls Restroom					

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INSPECTION FORM NUMBER 1
GMS INSPECTION CHECKLIST - VENT RISERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garcia Date: 6-27 + 6-28-24

Time: _____

Building	Vent Riser ID	Access Code	Riser Exterior	Wall Box	Sample Port	Maintenance / Repair Notes
Administration / Library Building (A)	VA-1	--	X		X	
	VA-2	--	X		X	
	VA-3	WB		X	X	
	VA-4	--	X		X	
	VA-5	WB		X	X	
	VA-6	WB		X	X	
	VA-7	WB		X	X	
	VA-8	--	X		X	
Classroom Buildings (B/C)	VB-1	WB/L		X	X	
	VB-2	WB/L		X	X	
	VB-3	WB/L		X	X	
	VC-1	WB/L		X	X	
	VC-2	WB/L		X	X	
	VC-3	WB/L		X	X	
MPR / Food Service Building (D)	VD-1	--	X		X	
	VD-2	--	X		X	
	VD-3	--	X		X	
	VD-4	WB		X	X	
	VD-5	WB		X	X	
	VD-6	WB		X	X	
Elevator Tower (ET)	VE-1	WB/E		X	X	
Subsurface Vent Wells	VM-1	none	X		X	
	VM-2	--	X		X	
Hardscape Areas	VL-1	--	X		X	
	VL-2	--	X		X	
	VL-3	--	X		X	
	VL-4	--	X		X	
	VL-5	--	X		X	
	VL-6	--	X		X	Clogged - drilled out
	VL-7	--	X		X	
	VL-8	--	X		X	Clogged - drilled out
	VL-9	WB		X	X	
	VL-10	--	X		X	
	VL-11	--	X		X	
	VL-12	--	X		X	
	VL-13	--	X		X	
	VL-14	WB/K		X	X	
	VL-15	--	X		X	
	VL-16	--	X		X	

Notes
X denotes area/item has been inspected
Access Codes = WB - Wall Box, WB/K = Wall Box with Key, L = Ladder, WB - Allen key required to access box

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 2
GMS INSPECTION CHECKLIST - BUILDINGS AND OUTDOOR AREAS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AE Jarrett

Date: 6-27 + 6-28-24
Time: –

Building	Floor Surface	Maintenance / Repair Notes			
Administration / Library Building (A)	X				
Classroom Buildings (B/C)	X				
MRP / Food Service Building (D)	X				
Elevator Tower (ET)	X				
Outdoor Area	**Ground Surface**	**Vegetation**	**Irrigation**	**Fencing**	**Maintenance / Repair Notes**
Landscape Areas	X	X	X	X	
Hardscape Areas	X	X	X	X	

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 3
GMS INSPECTION CHECKLIST - SOIL GAS PROBES
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 6-27 + 6-28-24
Time: _____

SOIL GAS PROBES					
Probe Number	**Accessible**	**Vault Condition**	**Probe Valves**	**Probe Labels**	**Maintenance / Repair Notes**
SV-1	X	Good	broke SV-15	X	probe SV-15 broke off
SV-2	X	Good	X	X	
SV-3	X	Good	X	X	
SV-4	X	Good	X	X	
SV-5	X	Good	X	X	
SV-6	No longer monitored				
SV-7	No longer monitored				

Notes
X denotes area/item has been inspected

Groundwater wells are no longer monitored by LAUSD.

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 4
GMS INSPECTION CHECKLIST - METEOROLOGICAL STATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector Name: AGeSMtt

Date: 6-27-24
Time: _____

Metorological Station	Inspected	Condition	Maintenance / Repair Notes
Location (GMS Equipment Room)			
Receiver Display			
Data Logger			
Power			
Download Data			

Notes
X denotes area/item has been inspected
Measures and records wind speed, wind direction, barometric pressure, temperature and precipitation

NOT in use

CLARK SEIF CLARK, INC.
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INSPECTION FORM NUMBER 5
GMS INSPECTION CHECKLIST - SIGN POSTING
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garcia

Date: 6-27 + 6-28-24
Time: _____

Building / Area	Location	Legible	Condition	Maintenance / Repair Notes
Administration / Library Building (A)	Southwest Wall	NO	Bad	
	East Wall	yes	Good	
Classroom Buildings (B)	Southwest Wall	yes	Good	
Classroom Buildings (C)	Northwest Wall	yes	Good	
MRP/Food Service Building (D)	Northwest Wall	yes	Good	
	Southwest Wall	NO	Bad	
Elevator Tower €	East Wall	yes	Good	
Hardscape Areas	Parking Lot	yes	Good	
	Classroom Quad	yes	Good	
	Play Courts	yes	Good	
	Plant Manager Office	NO	Bad	

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 6
GMS INSPECTION CHECKLIST - GAS DETECTION/ALARM SYSTEM
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 6-20, 6-27 + 6-28-24
Time: _____

System Check	M2-1	M3-1	M3-2	Maintenance / Repair Notes
Panel Type	Simplex	Duplex	Duplex	
Building	D	A/E	B/C	
Blowers	IB-2	IB-1	IB-3	
Sample Pumps	X	X	X	
Pump Vaccuum ("Hg)	4-5	25	4	
Air Filters	X	X	X	
Condensate Traps	X	X	X	
Solenoid Valves	X	X	X	
Rotometers	X	X	X	
Flow Rate (cfh)	50	180	50	
UPS/Batteries	—	—	—	no longer in use - direct powerline
Indicator Lights	X	X	X	
PLC Display / Strobe Check	X	X	X	
HMI Display	X	X	X	
CH4 Concentration (% LEL)	0	0	0	Calibrated 6-20
H2S Concentration (ppmv)	50	180	50	"
Download Data (Alarm History)	Alarm History and Gas Trend			
CALIBRATION AND SYSTEM TESTS (TEST MODE)				
Calibration	X	X	X	
Low CH4 Alarm	X	X	X	
Low H2S Alarm	X	X	X	
HIGH CH4 Alarm	X	X	X	
HIGH H2S Alarm	X	X	X	
Sensor Fault	X	X	X	
Sample Pump Failure	X	X	X	
Power Failure	Test PLC and Sensor Panels			Panel only.

Notes
X denotes area/item has been inspected

replaced pump @ M3-1 on 6-20-24

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 7
GMS INSPECTION CHECKLIST - AIR INJECTION BLOWERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 6-27, 6-28, 7-2-24
Time: –

System Check		M2-1	M3-1	M3-2	Maintenance / Repair Notes
Blower ID		IB-2	IB-1	IB-3	
Building		D	A/E	B/C	
Control Panel		X	X	X	
Blower Pad		X	X	X	
Manual Start		X	X	X	
Air Flow (SCFM)	Start Time	125	100	100	
	End Time	125	100	100	
Pressure (PSI)	Start Time	3.0	3.0	3.0	
	End Time	3.0	3.0	3.0	
Totalizer (Hrs)	Start Time	9190	1000	2029	
	End Time	9190	1000	2029	

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 8
GMS INSPECTION CHECKLIST - CONDENSATE TRAPS AND SUMP
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 6-27 + 6-28-24

Time: –

Trap/Sump	Condition	Initial Water Level	Final Water Level	Water Removed Gallons	Maintenance / Repair Notes
VA-1	Good	0		0	Plug in place
Outside Elevator Tower (Building E)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	
M3-1/A	Good	0		0	
M3-1/B	Good	0		0	
M3-2/A	Good	0		0	
M3-2/B	Good	0		0	
Outside MPR/Food Service Building (Building D)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	

INSPECTION PROCEDURES

1. Open access cap on riser from condenste trap or sump.
2. Drop a wooden measuring stick into riser and withdraw; then measure the wetted length in inches from the bottom of the stick.
3. Remove collected water from condensate traps using a hand pump or vacuum pump with inline water trap from either the riser or at copper pipe drain connection in elevator room. Measure volume of water removed to nearest 1/8th gallon. Dispose of water to planter areas or sewer. No water transfer is needed from VA-1 sump as it should just be allowed to seep into ground.
4. Measure level of water remaining in trap.
5. Replace access cap on riser to condenste trap or sump.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY · ENGINEERING · ENVIRONMENTAL

INSPECTION FORM NUMBER 9
GMS INSPECTION CHECKLIST - NON-OCCUPIED ROOM VENTILATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: [illegible]

Date: 6-27 + 6-28-24
Time: _____

PASSIVE DOOR LOUVERS (Inspected Quarterly)				
Room Number	Description	Condition	Obstructions	Maintenance / Repair Notes
1-108	Storage	Good	None	
1-109	Storage	Good	None	
1-153A	Storage	Good	None	
2-106A	Utility Closet	Good	None	

MECHANICAL FANS (Inspected Annually)						
Room Number	Description	Functioning?	Room Number	Description	Functioning?	Maintenance / Repair Notes
1-101A	Nurse Waiting Area		2-107	Womens Restroom		
1-101C	Health Unit Restroom		4-101	GMS Equip. Room		
1-101E	Public Restroom		4-102	Custodian Room		
1-102C	Pricipal's Restroom		5-101A	Womens Restroom		
1-102H	Mens Restroom		5-101B	Mens Restroom		
1-102J	Womens Restroom		5-102A	Storage		
1-112A	Storage		5-102B	Custodian Room		
1-113	Custodian Room		5-104	Girls Restroom		
1-114A	Boys Restroom		5-105	Boys Restroom		
1-114B	Girls Restroom		5-106G	Custodian Room		
1-115A	Boys Restroom		5-106H	Staff Restroom		
1-115B	Girls Restroom		5-109	Utility Closet		
2-104	Mens Restroom		5-111A	Womens Restroom		
2-105	Boys Restroom		5-111C	Mens Restroom		
2-106	Girls Restroom					

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

GMS FUNCTIONAL TESTS
PLAYA VISTA ELEMENTARY SCHOOL #22

Inspector: AGarrett

Date: 6-20-24
Time: 0900

Test Number	System Test	Start Time	Pass or Fail
1	Low Methane Alarm (>5 hr) M2-1	0906	Pass
2	Low Methane Alarm (>5 hr) M3-2	0907	Pass
3	Low Methane Alarm (>5 hr) M3-1	0908	Pass
4	Low Hydrogen Sulfide Alarm (>5 hr) M2-1	0913	Pass
5	Low Hydrogen Sulfide Alarm (>5 hr) M3-2	0915	Pass
6	Low Hydrogen Sulfide Alarm (>5 hr) M3-1	0917	Pass
7	High Methane Alarm M2-1	0920	Pass
8	High Methane Alarm M3-2	0925	Pass
9	High Methane Alarm M3-1	0928	Pass
10	High Hydrogen Sulfide Alarm M2-1	0932	Pass
11	High Hydrogen Sulfide Alarm M3-2	0935	Pass
12	High Hydrogen Sulfide Alarm M3-1	0940	Pass
13	Low Hydrogen Sulfide Alarm (<4 hr) M3-1	0947	Pass
14	Low Hydrogen Sulfide Alarm (<4 hr) M3-2	0948	Pass
15	Low Methane Alarm (<4 hr) M2-1	0949	Pass
16	Methane Sensor Fault M3-1	1000	Pass
17	Methane Sensor Fault M3-2	1002	Pass
18	Methane Sensor Fault M2-1	1004	Pass
19	Hydrogren Sulfide Sensor Fault M3-1	1006	Pass
20	Hydrogren Sulfide Sensor Fault M3-2	1008	Pass
21	Hydrogren Sulfide Sensor Fault M2-1	1010	Pass
22	Sample Pump Failure M3-1	1012	Pass
23	Sample Pump Failure M3-2	1014	Pass
24	Sample Pump Failure M2-1	1016	Pass
25	Simplex Panel Power Failure	–	–
26	Duplex Panel Power Failure	–	–
27	PLC Panel Power Failure	1020	Pass

Note 1: Standards used for calibration were 50% LEL for methane and 10 ppm for hydrogen sulfide.

Note 2: All functional tests except low gas alarms (<4 hr) were performed in the "Test Mode". The autodialer was disarmed for all tests to prevent call-outs

Note 3: HMI panel power failure cannot be tested because power cannot be turned off in the GMS Equipment Room or at the panel itself.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 1
GMS INSPECTION CHECKLIST - VENT RISERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGerstl Date: 9-27-24

Time: 7-12

Building	Vent Riser ID	Access Code	Riser Exterior	Wall Box	Sample Port	Maintenance / Repair Notes
Administration / Library Building (A)	VA-1	--	X		X	
	VA-2	--	X		X	
	VA-3	WB		X	X	
	VA-4	--	X		X	
	VA-5	WB		X	X	
	VA-6	WB		X	X	
	VA-7	WB		X	X	
	VA-8	--	X		X	
Classroom Buildings (B/C)	VB-1	WB/L		X	X	
	VB-2	WB/L		X	X	
	VB-3	WB/L		X	X	
	VC-1	WB/L		X	X	
	VC-2	WB/L		X	X	
	VC-3	WB/L		X	X	
MPR / Food Service Building (D)	VD-1	--	X		X	
	VD-2	--	X		X	
	VD-3	--	X		X	
	VD-4	WB		X	X	
	VD-5	WB		X	X	
	VD-6	WB		X	X	
Elevator Tower (ET)	VE-1	WB/E		X	X	
Subsurface Vent Wells	VM-1	none	X		X	
	VM-2	--	X		X	
Hardscape Areas	VL-1	--	X		X	
	VL-2	--	X		X	
	VL-3	--	X		X	
	VL-4	--	X		X	
	VL-5	--	X		X	
	VL-6	--	X		X	
	VL-7	--	X		X	
	VL-8	--	X		X	
	VL-9	WB		X	X	
	VL-10	--	X		X	
	VL-11	--	X		X	
	VL-12	--	X		X	
	VL-13	--	X		X	
	VL-14	WB/K		X	X	
	VL-15	--	X		X	
	VL-16	--	X		X	

Notes
X denotes area/item has been inspected
Access Codes = WB - Wall Box, WB/K = Wall Box with Key, L = Ladder, WB - Allen key required to access box

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 2
GMS INSPECTION CHECKLIST - BUILDINGS AND OUTDOOR AREAS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 9-27-24
Time: –

Building	Floor Surface	Maintenance / Repair Notes			
Administration / Library Building (A)	Good				
Classroom Buildings (B/C)	Good				
MRP / Food Service Building (D)	Good				
Elevator Tower (ET)	Good				
Outdoor Area	**Ground Surface**	**Vegetation**	**Irrigation**	**Fencing**	**Maintenance / Repair Notes**
Landscape Areas	Good	X	X	X	
Hardscape Areas	Good	X	X	X	

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 3
GMS INSPECTION CHECKLIST - SOIL GAS PROBES
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 9-27-24
Time: —

SOIL GAS PROBES					
Probe Number	**Accessible**	**Vault Condition**	**Probe Valves**	**Probe Labels**	**Maintenance / Repair Notes**
SV-1					not inspected
SV-2					
SV-3					
SV-4					
SV-5					
SV-6	No longer monitored				
SV-7	No longer monitored				

Notes
X denotes area/item has been inspected

Groundwater wells are no longer monitored by LAUSD.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY · ENGINEERING · ENVIRONMENTAL

INSPECTION FORM NUMBER 5
GMS INSPECTION CHECKLIST - SIGN POSTING
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 01-27-24
Time: —

Building / Area	Location	Legible	Condition	Maintenance / Repair Notes
Administration / Library Building (A)	Southwest Wall	X	Good	
	East Wall	X	Good	
Classroom Buildings (B)	Southwest Wall	X	Good	
Classroom Buildings (C)	Northwest Wall	X	Good	
MRP/Food Service Building (D)	Northwest Wall	X	Good	
	Southwest Wall	X	Good	
Elevator Tower €	East Wall	X	Good	
Hardscape Areas	Parking Lot	X	Good	
	Classroom Quad	X	Good	
	Play Courts	X	Good	
	Plant Manager Office	X	Good	

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 4
GMS INSPECTION CHECKLIST - METEOROLOGICAL STATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector Name: A Garrett

Date: 9-27-24
Time: _____

Metorological Station	Inspected	Condition	Maintenance / Repair Notes
Location (GMS Equipment Room)	X	X	Not inspected
Receiver Display	X	X	
Data Logger	X	X	
Power	X	X	
Download Data	X	X	

Notes
X denotes area/item has been inspected
Measures and records wind speed, wind direction, barometric pressure, temperature and precipitation

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 6
GMS INSPECTION CHECKLIST - GAS DETECTION/ALARM SYSTEM
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 9-27-24
Time: —

System Check	M2-1	M3-1	M3-2	Maintenance / Repair Notes
Panel Type	Simplex	Duplex	Duplex	
Building	D	A/E	B/C	
Blowers	IB-2	IB-1	IB-3	
Sample Pumps	X	X	X	
Pump Vaccuum ("Hg)	4-8	24	5-10	
Air Filters	X	X	X	
Condensate Traps	X	X	X	
Solenoid Valves	X	X	X	
Rotometers	X	X	X	
Flow Rate (cfh)	50	200	50	
UPS/Batteries	—	—	—	
Indicator Lights	X	X	X	
PLC Display / Strobe Check	X	X	X	
HMI Display	X	X	X	
CH4 Concentration (% LEL)	0	0	0	
H2S Concentration (ppmv)	0	0	0	
Download Data (Alarm History)	Alarm History and Gas Trend			
CALIBRATION AND SYSTEM TESTS (TEST MODE)				
Calibration				Next Q
Low CH4 Alarm				
Low H2S Alarm				
HIGH CH4 Alarm				
HIGH H2S Alarm				
Sensor Fault				
Sample Pump Failure				
Power Failure	Test PLC and Sensor Panels			

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 7
GMS INSPECTION CHECKLIST - AIR INJECTION BLOWERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 9-27-24
Time: —

System Check		M2-1	M3-1	M3-2	Maintenance / Repair Notes
Blower ID		IB-2	IB-1	IB-3	
Building		D	A/E	B/C	
Control Panel		X	X	X	
Blower Pad		X	X	X	
Manual Start		X	X	X	
Air Flow (SCFM)	Start Time	125	100	125	
	End Time	125	100	125	
Pressure (PSI)	Start Time	3.25	3.0	3.25	
	End Time	3.25	3.0	3.25	
Totalizer (Hrs)	Start Time	9150	1010	2038	
	End Time	9150	1010	2038	

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 8
GMS INSPECTION CHECKLIST - CONDENSATE TRAPS AND SUMP
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 4-27-24

Time: –

Trap/Sump	Condition	Initial Water Level	Final Water Level	Water Removed Gallons	Maintenance / Repair Notes
VA-1	Good	0		0	Plug in place
Outside Elevator Tower (Building E)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	
M3-1/A	Good	0		0	
M3-1/B	Good	0		0	
M3-2/A	Good	0		0	
M3-2/B	Good	0		0	
Outside MPR/Food Service Building (Building D)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	

INSPECTION PROCEDURES

1. Open access cap on riser from condenste trap or sump.
2. Drop a wooden measuring stick into riser and withdraw; then measure the wetted length in inches from the bottom of the stick.
3. Remove collected water from condensate traps using a hand pump or vacuum pump with inline water trap from either the riser or at copper pipe drain connection in elevator room. Measure volume of water removed to nearest 1/8th gallon. Dispose of water to planter areas or sewer. No water transfer is needed from VA-1 sump as it should just be allowed to seep into ground.
4. Measure level of water remaining in trap.
5. Replace access cap on riser to condenste trap or sump.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 9
GMS INSPECTION CHECKLIST - NON-OCCUPIED ROOM VENTILATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGusseth

Date: 9-27-24
Time: -

PASSIVE DOOR LOUVERS (Inspected Quarterly)				
Room Number	Description	Condition	Obstructions	Maintenance / Repair Notes
1-108	Storage	Good	None	
1-109	Storage	Good	None	
1-153A	Storage	Good	None	
2-106A	Utility Closet	Good	None	

MECHANICAL FANS (Inspected Annually)						
Room Number	Description	Functioning?	Room Number	Description	Functioning?	Maintenance / Repair Notes
1-101A	Nurse Waiting Area		2-107	Womens Restroom		
1-101C	Health Unit Restroom		4-101	GMS Equip. Room		
1-101E	Public Restroom		4-102	Custodian Room		
1-102C	Pricipal's Restroom		5-101A	Womens Restroom		
1-102H	Mens Restroom		5-101B	Mens Restroom		
1-102J	Womens Restroom		5-102A	Storage		
1-112A	Storage		5-102B	Custodian Room		
1-113	Custodian Room		5-104	Girls Restroom		
1-114A	Boys Restroom		5-105	Boys Restroom		
1-114B	Girls Restroom		5-106G	Custodian Room		
1-115A	Boys Restroom		5-106H	Staff Restroom		
1-115B	Girls Restroom		5-109	Utility Closet		
2-104	Mens Restroom		5-111A	Womens Restroom		
2-105	Boys Restroom		5-111C	Mens Restroom		
2-106	Girls Restroom					

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 1
GMS INSPECTION CHECKLIST - VENT RISERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 1-2-25

Time: 7-12

Building	Vent Riser ID	Access Code	Riser Exterior	Wall Box	Sample Port	Maintenance / Repair Notes
Administration / Library Building (A)	VA-1	--	X		X	
	VA-2	--	X		X	
	VA-3	WB		X	X	
	VA-4	--	X		X	
	VA-5	WB		X	X	
	VA-6	WB		X	X	
	VA-7	WB		X	X	
	VA-8	--	X		X	
Classroom Buildings (B/C)	VB-1	WB/L		X	X	
	VB-2	WB/L		X	X	
	VB-3	WB/L		X	X	
	VC-1	WB/L		X	X	
	VC-2	WB/L		X	X	
	VC-3	WB/L		X	X	
MPR / Food Service Building (D)	VD-1	--	X		X	
	VD-2	--	X		X	
	VD-3	--	X		X	
	VD-4	WB		X	X	
	VD-5	WB		X	X	
	VD-6	WB		X	X	
Elevator Tower (ET)	VE-1	WB/E			X	
Subsurface Vent Wells	VM-1	none	X		X	
	VM-2	--	X		X	
Hardscape Areas	VL-1	--	X		X	
	VL-2	--	X		X	
	VL-3	--	X		X	
	VL-4	--	X		X	
	VL-5	--	X		X	
	VL-6	--	X		X	
	VL-7	--	X		X	
	VL-8	--	X		X	
	VL-9	WB		X	X	
	VL-10	--	X		X	
	VL-11	--	X		X	
	VL-12	--	X		X	
	VL-13	--	X		X	
	VL-14	WB/K		X	X	
	VL-15	--	X		X	
	VL-16	--	X		X	

Notes
X denotes area/item has been inspected
Access Codes = WB - Wall Box, WB/K = Wall Box with Key, L = Ladder, WB - Allen key required to access box

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 2
GMS INSPECTION CHECKLIST - BUILDINGS AND OUTDOOR AREAS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarcia

Date: 1-2 + 1-3-25
Time: —

Building	Floor Surface	Maintenance / Repair Notes			
Administration / Library Building (A)	X				
Classroom Buildings (B/C)	X				
MRP / Food Service Building (D)	X				
Elevator Tower (ET)	X				
Outdoor Area	**Ground Surface**	**Vegetation**	**Irrigation**	**Fencing**	**Maintenance / Repair Notes**
Landscape Areas	X	X	X	X	
Hardscape Areas	X	X	X	X	

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 3
GMS INSPECTION CHECKLIST - SOIL GAS PROBES
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 1-2 + 1-3-25
Time: —

SOIL GAS PROBES					
Probe Number	**Accessible**	**Vault Condition**	**Probe Valves**	**Probe Labels**	**Maintenance / Repair Notes**
SV-1					Not inspected
SV-2					to be replaced
SV-3					
SV-4					
SV-5					
SV-6	No longer monitored				
SV-7	No longer monitored				

Notes
X denotes area/item has been inspected

Groundwater wells are no longer monitored by LAUSD.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 4
GMS INSPECTION CHECKLIST - METEOROLOGICAL STATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector Name: A Garrett

Date: 1-2-25
Time: –

Metorological Station	Inspected	Condition	Maintenance / Repair Notes
Location (GMS Equipment Room)			NOT IN USE
Receiver Display			
Data Logger			
Power			
Download Data			

Notes

X denotes area/item has been inspected
Measures and records wind speed, wind direction, barometric pressure, temperature and precipitation

CLARK SEIF CLARK, INC.
HEALTH & SAFETY · ENGINEERING · ENVIRONMENTAL

INSPECTION FORM NUMBER 5
GMS INSPECTION CHECKLIST - SIGN POSTING
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarsetti

Date: 1-2-25
Time: -

Building / Area	Location	Legible	Condition	Maintenance / Repair Notes
Administration / Library Building (A)	Southwest Wall	X	Good	
	East Wall	X	Good	
Classroom Buildings (B)	Southwest Wall	X	Good	
Classroom Buildings (C)	Northwest Wall	X	Good	
MRP/Food Service Building (D)	Northwest Wall	X	Good	
	Southwest Wall	X	Good	
Elevator Tower €	East Wall	X	Good	
Hardscape Areas	Parking Lot	X	Good	
	Classroom Quad	X	Good	
	Play Courts	X	Good	
	Plant Manager Office	X	Good	

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 6
GMS INSPECTION CHECKLIST - GAS DETECTION/ALARM SYSTEM
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 1-3-25
Time: 7-11

System Check	M2-1	M3-1	M3-2	Maintenance / Repair Notes
Panel Type	Simplex	Duplex	Duplex	
Building	D	A/E	B/C	
Blowers	IB-2	IB-1	IB-3	
Sample Pumps	X	X	X	replaced M2-1 + M3-2
Pump Vaccuum ("Hg)				
Air Filters	X	X	X	
Condensate Traps	X	X	X	
Solenoid Valves	X	X	X	
Rotometers	X	X	X	
Flow Rate (cfh)	200	190	200	
UPS/Batteries	–	–	–	no longer used / powered direct
Indicator Lights	X	X	X	
PLC Display / Strobe Check	X	X	X	
HMI Display	X	X	X	
CH4 Concentration (% LEL)	0	0	0	
H2S Concentration (ppmv)	0	0	0	
Download Data (Alarm History)	Alarm History and Gas Trend			
CALIBRATION AND SYSTEM TESTS (TEST MODE)				
Calibration	X	X	X	
Low CH4 Alarm	X	X	X	
Low H2S Alarm	X	X	X	
HIGH CH4 Alarm	X	X	X	
HIGH H2S Alarm	X	X	X	
Sensor Fault	X	X	X	
Sample Pump Failure	X	X	X	
Power Failure	Test PLC and Sensor Panels			

Notes
X denotes area/item has been inspected

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

INSPECTION FORM NUMBER 7
GMS INSPECTION CHECKLIST - AIR INJECTION BLOWERS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 1-2 + 1-3-25
Time: –

System Check		M2-1	M3-1	M3-2	Maintenance / Repair Notes
Blower ID		IB-2	IB-1	IB-3	
Building		D	A/E	B/C	
Control Panel		X	X	X	
Blower Pad		X	X	X	
Manual Start		X	X	X	
Air Flow (SCFM)	Start Time	100	100	125	
	End Time	100	100	125	
Pressure (PSI)	Start Time	3.25	3.0	3.25	
	End Time	3.25	3.0	3.25	
Totalizer (Hrs)	Start Time	9157	1017	2045	
	End Time	9157	1017	2045	

CLARK SEIF CLARK, INC.
HEALTH & SAFETY · ENGINEERING · ENVIRONMENTAL

INSPECTION FORM NUMBER 8
GMS INSPECTION CHECKLIST - CONDENSATE TRAPS AND SUMP
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 1-3-25

Time: 11

Trap/Sump	Condition	Initial Water Level	Final Water Level	Water Removed Gallons	Maintenance / Repair Notes
VA-1	Good	0		0	Plug in place
Outside Elevator Tower (Building E)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	
M3-1/A	Good	0		0	
M3-1/B	Good	0		0	
M3-2/A	Good	0		0	
M3-2/B	Good	0		0	
Outside MPR/Food Service Building (Building D)					
M2-1/A	Good	0		0	
M2-1/B	Good	0		0	
M2-1/C	Good	0		0	

INSPECTION PROCEDURES

1. Open access cap on riser from condenste trap or sump.
2. Drop a wooden measuring stick into riser and withdraw; then measure the wetted length in inches from the bottom of the stick.
3. Remove collected water from condensate traps using a hand pump or vacuum pump with inline water trap from either the riser or at copper pipe drain connection in elevator room. Measure volume of water removed to nearest 1/8th gallon. Dispose of water to planter areas or sewer. No water transfer is needed from VA-1 sump as it should just be allowed to seep into ground.
4. Measure level of water remaining in trap.
5. Replace access cap on riser to condenste trap or sump.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY · ENGINEERING · ENVIRONMENTAL

INSPECTION FORM NUMBER 9
GMS INSPECTION CHECKLIST - NON-OCCUPIED ROOM VENTILATION
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 1-3-25
Time: —

PASSIVE DOOR LOUVERS (Inspected Quarterly)				
Room Number	Description	Condition	Obstructions	Maintenance / Repair Notes
1-108	Storage	Good	None	
1-109	Storage	Good	None	
1-153A	Storage	Good	None	
2-106A	Utility Closet	Good	None	

MECHANICAL FANS (Inspected Annually)						
Room Number	Description	Functioning?	Room Number	Description	Functioning?	Maintenance / Repair Notes
1-101A	Nurse Waiting Area		2-107	Womens Restroom		
1-101C	Health Unit Restroom		4-101	GMS Equip. Room		
1-101E	Public Restroom		4-102	Custodian Room		
1-102C	Pricipal's Restroom		5-101A	Womens Restroom		
1-102H	Mens Restroom		5-101B	Mens Restroom		
1-102J	Womens Restroom		5-102A	Storage		
1-112A	Storage		5-102B	Custodian Room		
1-113	Custodian Room		5-104	Girls Restroom		
1-114A	Boys Restroom		5-105	Boys Restroom		
1-114B	Girls Restroom		5-106G	Custodian Room		
1-115A	Boys Restroom		5-106H	Staff Restroom		
1-115B	Girls Restroom		5-109	Utility Closet		
2-104	Mens Restroom		5-111A	Womens Restroom		
2-105	Boys Restroom		5-111C	Mens Restroom		
2-106	Girls Restroom					

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GMS FUNCTIONAL TESTS
PLAYA VISTA ELEMENTARY SCHOOL #22

Inspector: [illegible]

Date: 1-3-25
Time: 10am

Test Number	System Test	Start Time	Pass or Fail
1	Low Methane Alarm (>5 hr) M2-1	1012	Pass
2	Low Methane Alarm (>5 hr) M3-2	1014	Pass
3	Low Methane Alarm (>5 hr) M3-1	1016	Pass
4	Low Hydrogen Sulfide Alarm (>5 hr) M2-1	1020	Pass
5	Low Hydrogen Sulfide Alarm (>5 hr) M3-2	1021	Pass
6	Low Hydrogen Sulfide Alarm (>5 hr) M3-1	1022	Pass
7	High Methane Alarm M2-1	1026	Pass
8	High Methane Alarm M3-2	1028	Pass
9	High Methane Alarm M3-1	1030	Pass
10	High Hydrogen Sulfide Alarm M2-1	1033	Pass
11	High Hydrogen Sulfide Alarm M3-2	1036	Pass
12	High Hydrogen Sulfide Alarm M3-1	1039	Pass
13	Low Hydrogen Sulfide Alarm (<4 hr) M3-1	1046	Pass
14	Low Hydrogen Sulfide Alarm (<4 hr) M3-2	1048	Pass
15	Low Methane Alarm (<4 hr) M2-1	1050	Pass
16	Methane Sensor Fault M3-1	1058	Pass
17	Methane Sensor Fault M3-2	1059	Pass
18	Methane Sensor Fault M2-1	1100	Pass
19	Hydrogren Sulfide Sensor Fault M3-1	1105	Pass
20	Hydrogren Sulfide Sensor Fault M3-2	1106	Pass
21	Hydrogren Sulfide Sensor Fault M2-1	1107	Pass
22	Sample Pump Failure M3-1	1113	Pass
23	Sample Pump Failure M3-2	1114	Pass
24	Sample Pump Failure M2-1	1115	Pass
25	Simplex Panel Power Failure	—	—
26	Duplex Panel Power Failure	—	
27	PLC Panel Power Failure	1120	Pass

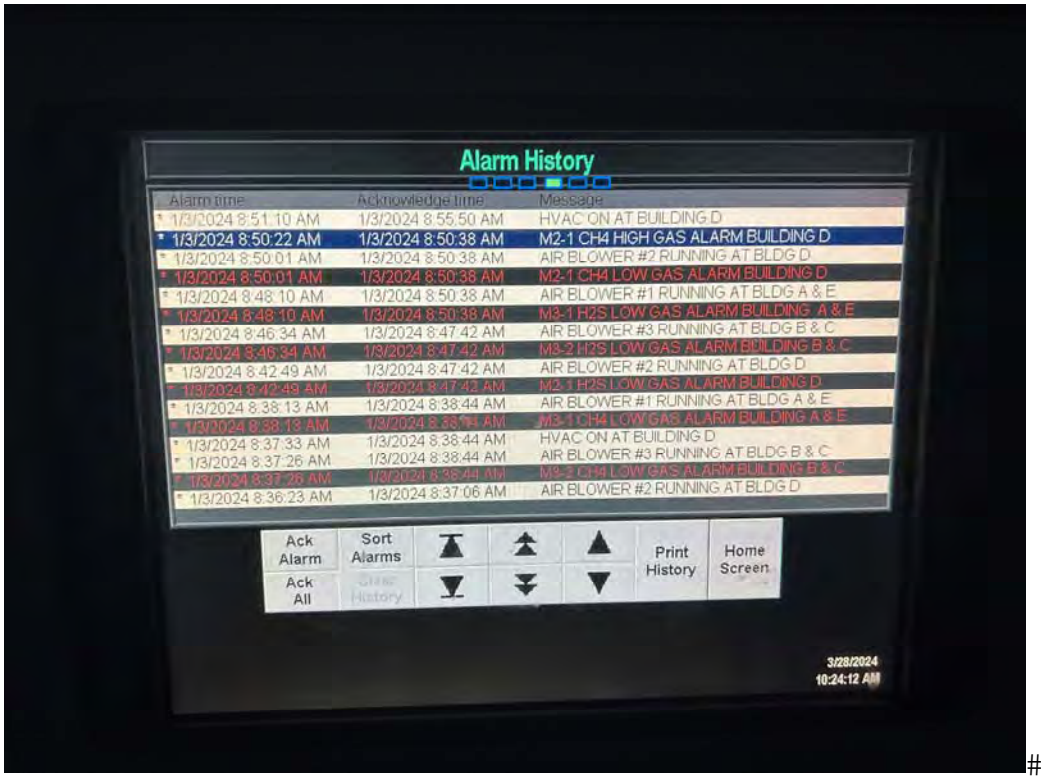
Note 1: Standards used for calibration were 50% LEL for methane and 10 ppm for hydrogen sulfide.

Note 2: All functional tests except low gas alarms (<4 hr) were performed in the "Test Mode". The autodialer was disarmed for all tests to prevent call-outs

Note 3: HMI panel power failure cannot be tested because power cannot be turned off in the GMS Equipment Room or at the panel itself.

Appendix C

GMS Alarm History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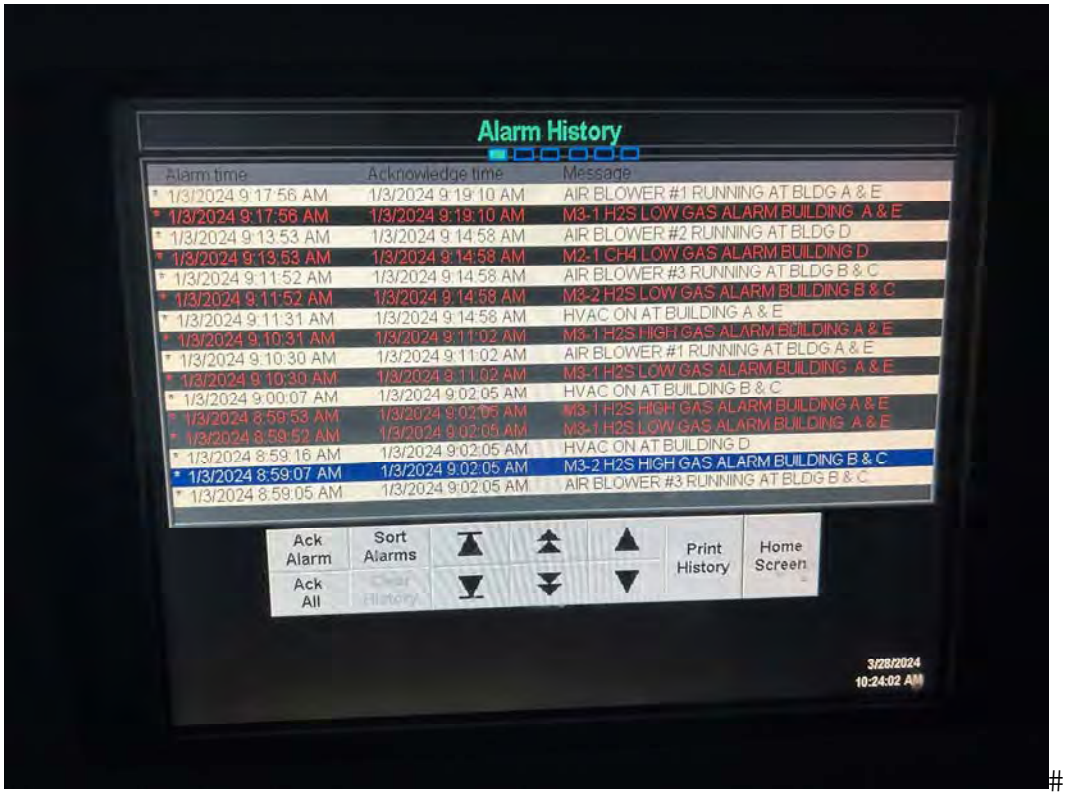
Alarm time
Acknowledge time
Message
1/3/2024 8:51:10 AM 1/3/2024 8:55:50 AM HVAC ON AT BUILDING D
1/3/2024 8:50:22 AM 1/3/2024 8:50:38 AM M2-1 CH4 HIGH GAS ALARM BUILDING D
1/3/2024 8:50:01 AM 1/3/2024 8:50:38 AM AIR BLOWER #2 RUNNING AT BLDG D
1/3/2024 8:50:01 AM 1/3/2024 8:50:38 AM M2-1 CH4 LOW GAS ALARM BUILDING D
1/3/2024 8:48:10 AM 1/3/2024 8:50:38 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/3/2024 8:48:10 AM 1/3/2024 8:50:38 AM M3-1 H2S LOW GAS ALARM BUILDING A & E
1/3/2024 8:46:34 AM 1/3/2024 8:47:42 AM AIR BLOWER #3 RUNNING AT BLDG B & C
1/3/2024 8:46:34 AM 1/3/2024 8:47:42 AM M3-2 H2S LOW GAS ALARM BUILDING B & C
1/3/2024 8:42:49 AM 1/3/2024 8:47:42 AM AIR BLOWER #2 RUNNING AT BLDG D
1/3/2024 8:42:49 AM 1/3/2024 8:47:42 AM M2-1 H2S LOW GAS ALARM BUILDING D
1/3/2024 8:38:13 AM 1/3/2024 8:38:44 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/3/2024 8:38:13 AM 1/3/2024 8:38:44 AM M3-1 CH4 LOW GAS ALARM BUILDING A & E
1/3/2024 8:37:33 AM 1/3/2024 8:38:44 AM HVAC ON AT BUILDING D
1/3/2024 8:37:26 AM 1/3/2024 8:38:44 AM AIR BLOWER #3 RUNNING AT BLDG B & C
1/3/2024 8:37:26 AM 1/3/2024 8:38:44 AM M3-2 CH4 LOW GAS ALARM BUILDING B & C
1/3/2024 8:36:23 AM 1/3/2024 8:37:06 AM AIR BLOWER #2 RUNNING AT BLDG D
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
3/28/2024
10:24:12 AM

#

#


Alarm History
Alarm time
Acknowledge time
Message
1/3/2024 9:17:56 AM 1/3/2024 9:19:10 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/3/2024 9:17:56 AM 1/3/2024 9:19:10 AM M3-1 H2S LOW GAS ALARM BUILDING A & E
1/3/2024 9:13:53 AM 1/3/2024 9:14:58 AM AIR BLOWER #2 RUNNING AT BLDG D
1/3/2024 9:13:53 AM 1/3/2024 9:14:58 AM M2-1 CH4 LOW GAS ALARM BUILDING D
1/3/2024 9:11:52 AM 1/3/2024 9:14:58 AM AIR BLOWER #3 RUNNING AT BLDG B & C
1/3/2024 9:11:52 AM 1/3/2024 9:14:58 AM M3-2 H2S LOW GAS ALARM BUILDING B & C
1/3/2024 9:11:31 AM 1/3/2024 9:14:58 AM HVAC ON AT BUILDING A & E
1/3/2024 9:10:31 AM 1/3/2024 9:11:02 AM M3-1 H2S HIGH GAS ALARM BUILDING A & E
1/3/2024 9:10:30 AM 1/3/2024 9:11:02 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/3/2024 9:10:30 AM 1/3/2024 9:11:02 AM M3-1 H2S LOW GAS ALARM BUILDING A & E
1/3/2024 9:00:07 AM 1/3/2024 9:02:05 AM HVAC ON AT BUILDING B & C
1/3/2024 8:59:53 AM 1/3/2024 9:02:05 AM M3-1 H2S HIGH GAS ALARM BUILDING A & E
1/3/2024 8:59:52 AM 1/3/2024 9:02:05 AM M3-1 H2S LOW GAS ALARM BUILDING A & E
1/3/2024 8:59:16 AM 1/3/2024 9:02:05 AM HVAC ON AT BUILDING D
1/3/2024 8:59:07 AM 1/3/2024 9:02:05 AM M3-2 H2S HIGH GAS ALARM BUILDING B & C
1/3/2024 8:59:05 AM 1/3/2024 9:02:05 AM AIR BLOWER #3 RUNNING AT BLDG B & C
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
3/28/2024
10:24:02 AM

#


Alarm History
Alarm time
Acknowledge time
Message
* 1/13/2024 10:15:02 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/13/2024 10:01:02 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING A & E
* 1/13/2024 10:00:02 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/6/2024 10:31:02 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
* 1/6/2024 10:30:03 AM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/6/2024 10:16:02 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING D
* 1/6/2024 10:15:03 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/6/2024 10:01:02 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING A & E
* 1/6/2024 10:00:03 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/4/2024 11:16:14 AM 1/4/2024 11:51:20 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/4/2024 10:56:44 AM 1/4/2024 11:51:20 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/4/2024 10:18:06 AM 1/4/2024 11:51:20 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/3/2024 9:55:39 AM 1/3/2024 9:55:47 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 1/3/2024 9:52:25 AM 1/3/2024 9:55:35 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/3/2024 9:52:25 AM 1/3/2024 9:55:35 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 1/3/2024 9:45:46 AM 1/3/2024 9:55:35 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
3/28/2024
10:23:56 AM
#

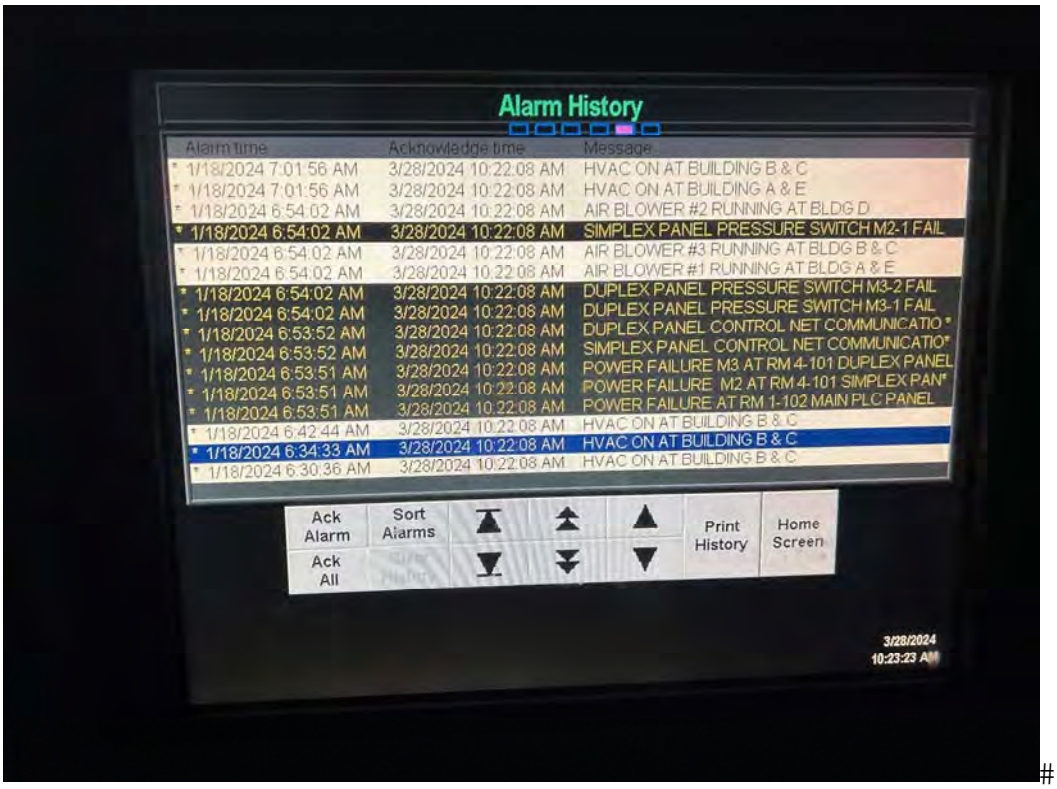
#


Alarm History
Alarm time
Acknowledge time
Message
* 1/17/2024 12:41:42 PM 3/28/2024 10:22:08 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 1/17/2024 12:41:33 PM 3/28/2024 10:22:08 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 1/17/2024 12:41:32 PM 3/28/2024 10:22:08 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 1/17/2024 12:41:32 PM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 1/17/2024 12:41:32 PM 3/28/2024 10:22:08 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 1/17/2024 12:41:32 PM 3/28/2024 10:22:08 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 1/17/2024 11:51:23 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
* 1/17/2024 11:43:33 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
* 1/17/2024 11:39:05 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
* 1/17/2024 11:37:40 AM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/17/2024 11:37:40 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/17/2024 11:37:40 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/17/2024 11:37:40 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 1/17/2024 11:37:40 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 1/17/2024 11:37:40 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 1/17/2024 11:37:31 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
3/28/2024
10:23:35 AM
#


Alarm History
Alarm time
Acknowledge time
Message
1/18/2024 6:29:03 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
1/18/2024 6:29:02 AM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
1/18/2024 6:29:02 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/18/2024 6:29:02 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
1/18/2024 6:29:02 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
1/18/2024 6:29:02 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
1/18/2024 6:28:52 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
1/18/2024 6:28:52 AM 3/28/2024 10:22:08 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
1/18/2024 6:28:51 AM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
1/18/2024 6:28:51 AM 3/28/2024 10:22:08 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
1/18/2024 6:28:51 AM 3/28/2024 10:22:08 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
1/17/2024 12:41:43 PM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
1/17/2024 12:41:42 PM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
1/17/2024 12:41:42 PM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/17/2024 12:41:42 PM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
1/17/2024 12:41:42 PM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Close History
3/28/2024
10:23:30 AM

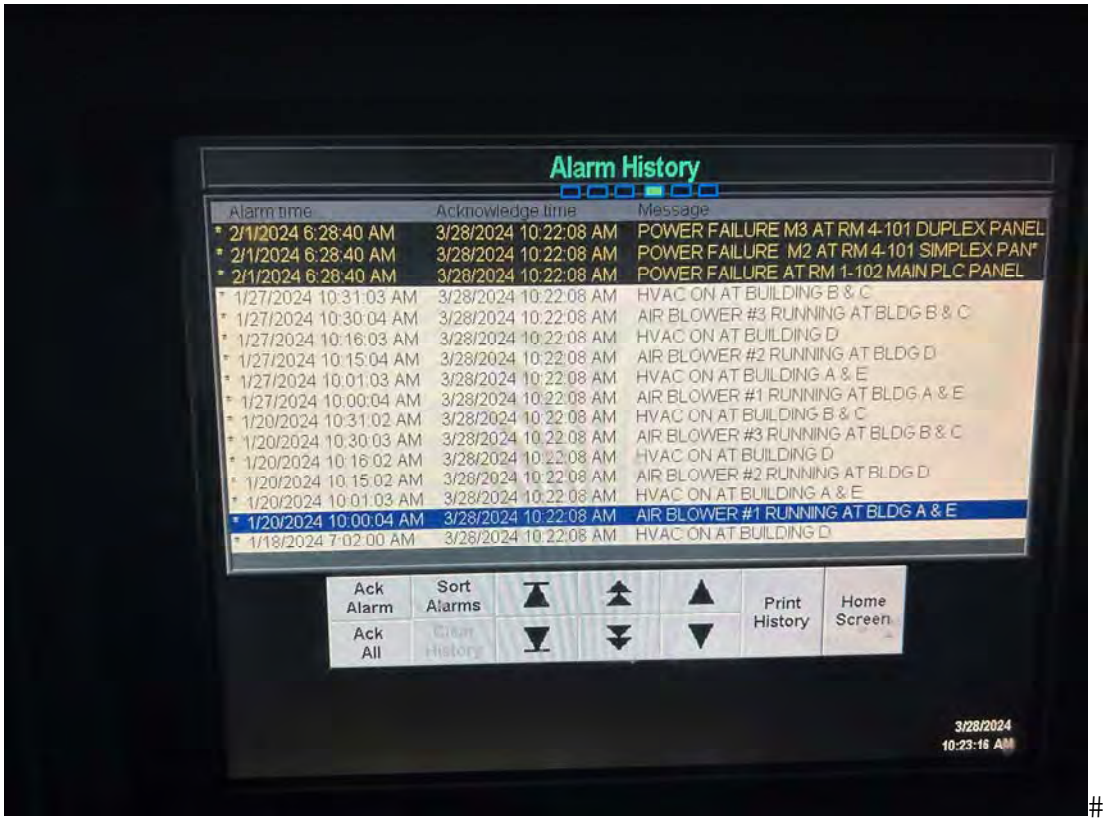
#

#

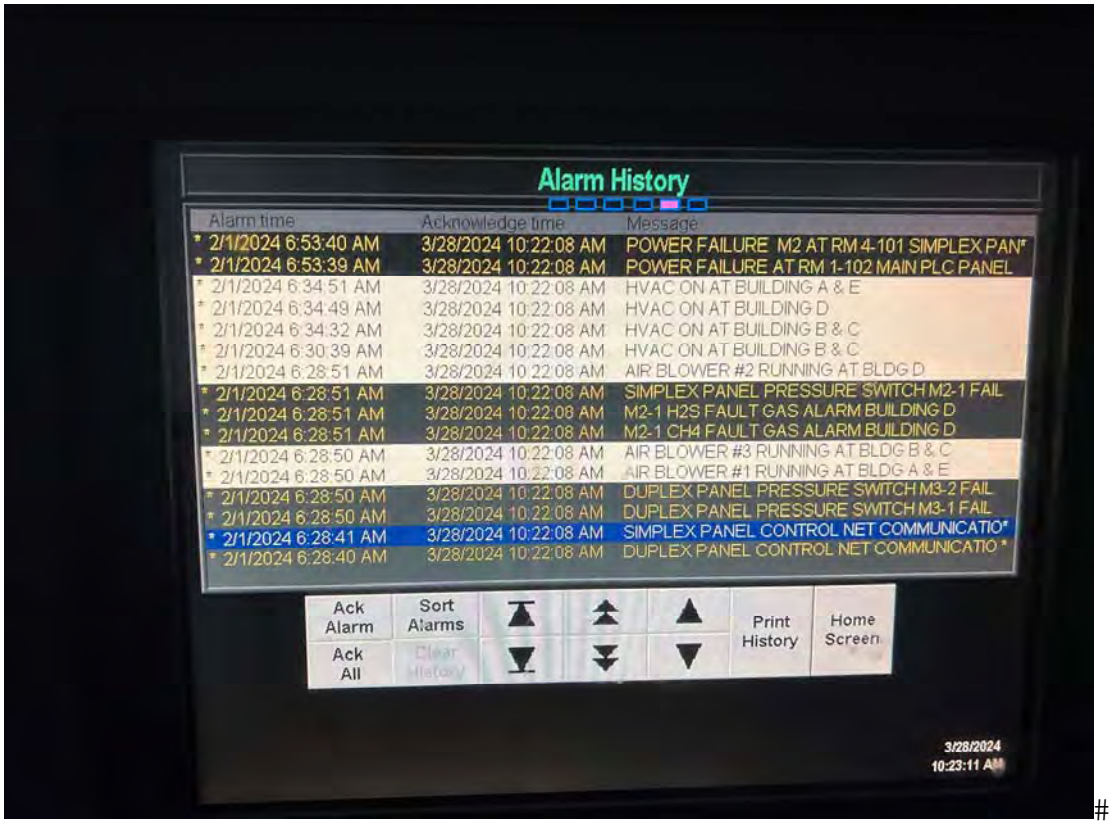

Alarm History
Alarm time
Acknowledge time
Message
1/18/2024 7:01:56 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
1/18/2024 7:01:56 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING A & E
1/18/2024 6:54:02 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
1/18/2024 6:54:02 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
1/18/2024 6:54:02 AM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
1/18/2024 6:54:02 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/18/2024 6:54:02 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
1/18/2024 6:54:02 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
1/18/2024 6:53:52 AM 3/28/2024 10:22:08 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
1/18/2024 6:53:52 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
1/18/2024 6:53:51 AM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
1/18/2024 6:53:51 AM 3/28/2024 10:22:08 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
1/18/2024 6:53:51 AM 3/28/2024 10:22:08 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
1/18/2024 6:42:44 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
1/18/2024 6:34:33 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
1/18/2024 6:30:36 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
3/28/2024
10:23:23 AM

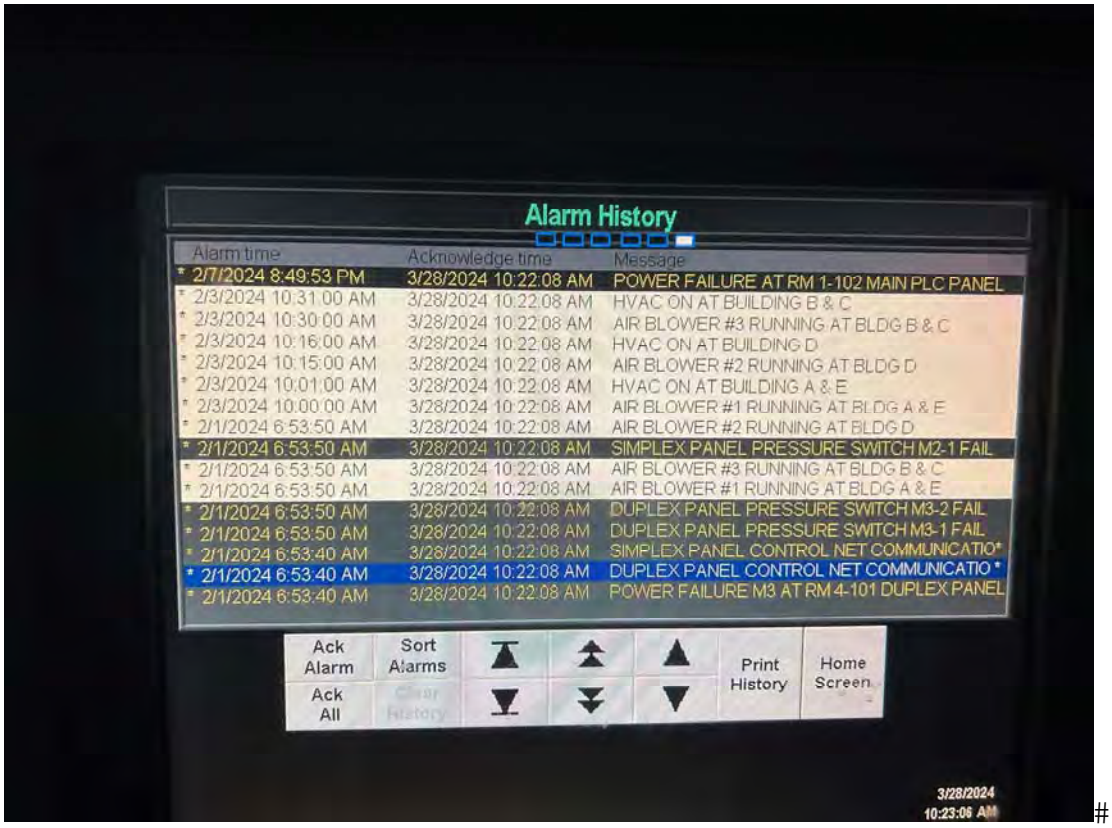
#

#


Alarm History
Alarm time | Acknowledge time | Message
* 2/1/2024 6:28:40 AM | 3/28/2024 10:22:08 AM | POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/1/2024 6:28:40 AM | 3/28/2024 10:22:08 AM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/1/2024 6:28:40 AM | 3/28/2024 10:22:08 AM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 1/27/2024 10:31:03 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING B & C
* 1/27/2024 10:30:04 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/27/2024 10:16:03 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING D
* 1/27/2024 10:15:04 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #2 RUNNING AT BLDG D
* 1/27/2024 10:01:03 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING A & E
* 1/27/2024 10:00:04 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/20/2024 10:31:02 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING B & C
* 1/20/2024 10:30:03 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/20/2024 10:16:02 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING D
* 1/20/2024 10:15:02 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #2 RUNNING AT BLDG D
* 1/20/2024 10:01:03 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING A & E
* 1/20/2024 10:00:04 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/18/2024 7:02:00 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING D
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
3/28/2024
10:23:16 AM
#

#


Alarm History
Alarm time | Acknowledge time | Message
* 2/1/2024 6:53:40 AM | 3/28/2024 10:22:08 AM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/1/2024 6:53:39 AM | 3/28/2024 10:22:08 AM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 2/1/2024 6:34:51 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING A & E
* 2/1/2024 6:34:49 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING D
* 2/1/2024 6:34:32 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING B & C
* 2/1/2024 6:30:39 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING B & C
* 2/1/2024 6:28:51 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #2 RUNNING AT BLDG D
* 2/1/2024 6:28:51 AM | 3/28/2024 10:22:08 AM | SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 2/1/2024 6:28:51 AM | 3/28/2024 10:22:08 AM | M2-1 H2S FAULT GAS ALARM BUILDING D
* 2/1/2024 6:28:51 AM | 3/28/2024 10:22:08 AM | M2-1 CH4 FAULT GAS ALARM BUILDING D
* 2/1/2024 6:28:50 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 2/1/2024 6:28:50 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 2/1/2024 6:28:50 AM | 3/28/2024 10:22:08 AM | DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 2/1/2024 6:28:50 AM | 3/28/2024 10:22:08 AM | DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 2/1/2024 6:28:41 AM | 3/28/2024 10:22:08 AM | SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 2/1/2024 6:28:40 AM | 3/28/2024 10:22:08 AM | DUPLEX PANEL CONTROL NET COMMUNICATIO *
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
3/28/2024
10:23:11 AM
#


Alarm History
Alarm time
Acknowledge time
Message
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* 2/3/2024 10:31:00 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING B & C
* 2/3/2024 10:30:00 AM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 2/3/2024 10:16:00 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING D
* 2/3/2024 10:15:00 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
* 2/3/2024 10:01:00 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING A & E
* 2/3/2024 10:00:00 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 2/1/2024 6:53:50 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
* 2/1/2024 6:53:50 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 2/1/2024 6:53:50 AM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 2/1/2024 6:53:50 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 2/1/2024 6:53:50 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 2/1/2024 6:53:50 AM 3/28/2024 10:22:08 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 2/1/2024 6:53:40 AM 3/28/2024 10:22:08 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 2/1/2024 6:53:40 AM 3/28/2024 10:22:08 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 2/1/2024 6:53:40 AM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
3/28/2024
10:23:06 AM
#

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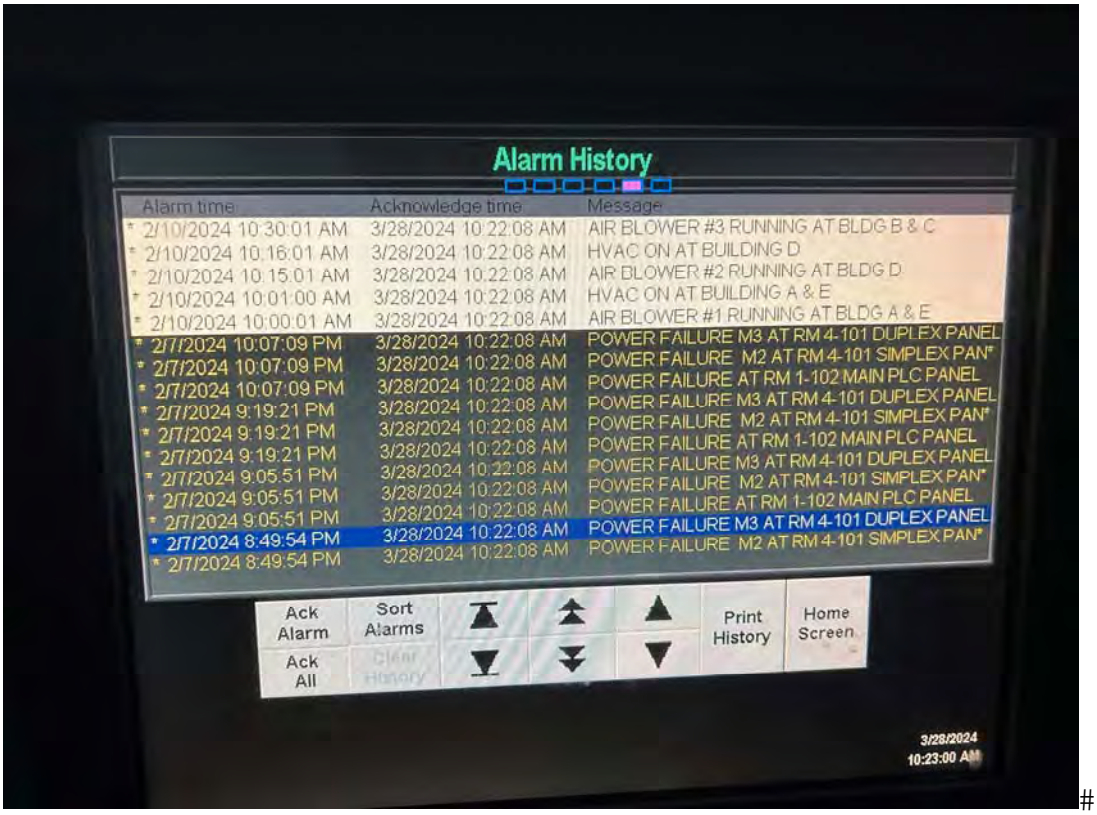
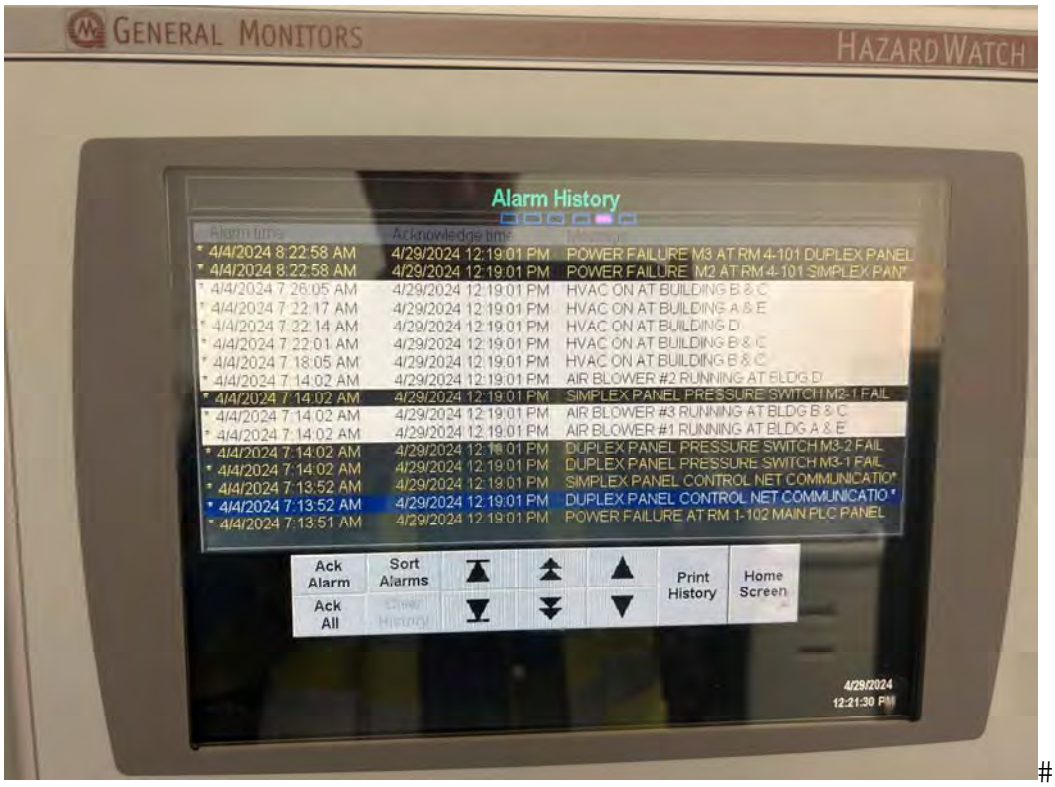

Alarm History
Alarm time
Acknowledge time
Message
* 2/10/2024 10:30:01 AM 3/28/2024 10:22:08 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 2/10/2024 10:16:01 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING D
* 2/10/2024 10:15:01 AM 3/28/2024 10:22:08 AM AIR BLOWER #2 RUNNING AT BLDG D
* 2/10/2024 10:01:00 AM 3/28/2024 10:22:08 AM HVAC ON AT BUILDING A & E
* 2/10/2024 10:00:01 AM 3/28/2024 10:22:08 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 2/7/2024 10:07:09 PM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/7/2024 10:07:09 PM 3/28/2024 10:22:08 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/7/2024 10:07:09 PM 3/28/2024 10:22:08 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 2/7/2024 9:19:21 PM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/7/2024 9:19:21 PM 3/28/2024 10:22:08 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/7/2024 9:19:21 PM 3/28/2024 10:22:08 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 2/7/2024 9:05:51 PM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/7/2024 9:05:51 PM 3/28/2024 10:22:08 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/7/2024 9:05:51 PM 3/28/2024 10:22:08 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 2/7/2024 8:49:54 PM 3/28/2024 10:22:08 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/7/2024 8:49:54 PM 3/28/2024 10:22:08 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
3/28/2024
10:23:00 AM
#


Alarm History
Alarm time | Acknowledge time | Message
* 3/28/2024 10:17:12 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 2/10/2024 10:31:00 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING B & C
* 2/10/2024 10:30:01 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 2/10/2024 10:16:01 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING D
* 2/10/2024 10:15:01 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #2 RUNNING AT BLDG D
* 2/10/2024 10:01:00 AM | 3/28/2024 10:22:08 AM | HVAC ON AT BUILDING A & E
* 2/10/2024 10:00:01 AM | 3/28/2024 10:22:08 AM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 2/7/2024 10:07:09 PM | 3/28/2024 10:22:08 AM | POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/7/2024 10:07:09 PM | 3/28/2024 10:22:08 AM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/7/2024 10:07:09 PM | 3/28/2024 10:22:08 AM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 2/7/2024 9:19:21 PM | 3/28/2024 10:22:08 AM | POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/7/2024 9:19:21 PM | 3/28/2024 10:22:08 AM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/7/2024 9:19:21 PM | 3/28/2024 10:22:08 AM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 2/7/2024 9:05:51 PM | 3/28/2024 10:22:08 AM | POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 2/7/2024 9:05:51 PM | 3/28/2024 10:22:08 AM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 2/7/2024 9:05:51 PM | 3/28/2024 10:22:08 AM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
3/28/2024
10:22:45 AM
#

#


GENERAL MONITORS
HAZARDWATCH
Alarm History
Alarm time | Acknowledge time | Message
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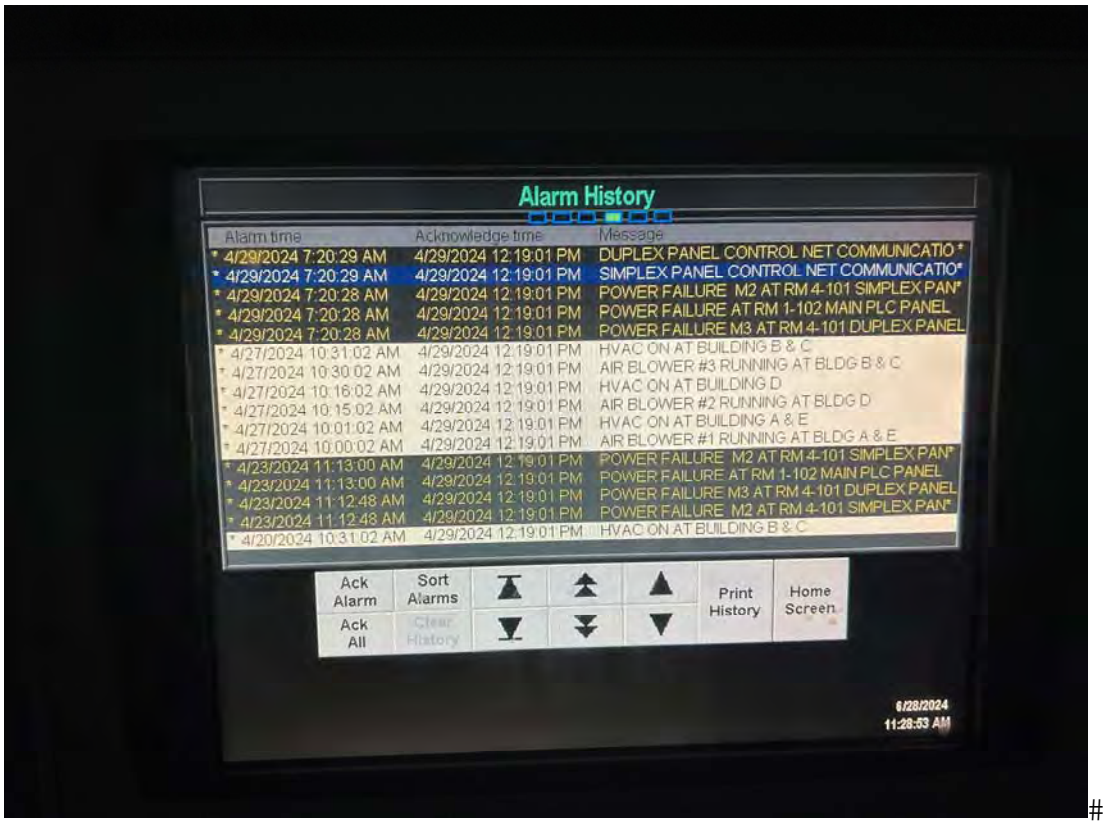
* 4/4/2024 8:22:58 AM | 4/29/2024 12:19:01 PM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 4/4/2024 7:26:05 AM | 4/29/2024 12:19:01 PM | HVAC ON AT BUILDING B & C
* 4/4/2024 7:22:17 AM | 4/29/2024 12:19:01 PM | HVAC ON AT BUILDING A & E
* 4/4/2024 7:22:14 AM | 4/29/2024 12:19:01 PM | HVAC ON AT BUILDING D
* 4/4/2024 7:22:01 AM | 4/29/2024 12:19:01 PM | HVAC ON AT BUILDING B & C
* 4/4/2024 7:18:05 AM | 4/29/2024 12:19:01 PM | HVAC ON AT BUILDING B & C
* 4/4/2024 7:14:02 AM | 4/29/2024 12:19:01 PM | AIR BLOWER #2 RUNNING AT BLDG D
* 4/4/2024 7:14:02 AM | 4/29/2024 12:19:01 PM | SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 4/4/2024 7:14:02 AM | 4/29/2024 12:19:01 PM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 4/4/2024 7:14:02 AM | 4/29/2024 12:19:01 PM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 4/4/2024 7:14:02 AM | 4/29/2024 12:19:01 PM | DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 4/4/2024 7:14:02 AM | 4/29/2024 12:19:01 PM | DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 4/4/2024 7:13:52 AM | 4/29/2024 12:19:01 PM | SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 4/4/2024 7:13:52 AM | 4/29/2024 12:19:01 PM | DUPLEX PANEL CONTROL NET COMMUNICATIO*
* 4/4/2024 7:13:51 AM | 4/29/2024 12:19:01 PM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
4/29/2024
12:21:30 PM
#


Alarm History
Alarm time
Acknowledge time
Message
* 4/20/2024 10:30:03 AM 4/29/2024 12:19:01 PM AIR BLOWER #3 RUNNING AT BLDG B & C
* 4/20/2024 10:16:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING D
* 4/20/2024 10:15:02 AM 4/29/2024 12:19:01 PM AIR BLOWER #2 RUNNING AT BLDG D
* 4/20/2024 10:01:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING A & E
* 4/20/2024 10:00:03 AM 4/29/2024 12:19:01 PM AIR BLOWER #1 RUNNING AT BLDG A & E
* 4/13/2024 10:31:04 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING B & C
* 4/13/2024 10:30:04 AM 4/29/2024 12:19:01 PM AIR BLOWER #3 RUNNING AT BLDG B & C
* 4/13/2024 10:16:04 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING D
* 4/13/2024 10:15:04 AM 4/29/2024 12:19:01 PM AIR BLOWER #2 RUNNING AT BLDG D
* 4/13/2024 10:01:04 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING A & E
* 4/13/2024 10:00:04 AM 4/29/2024 12:19:01 PM AIR BLOWER #1 RUNNING AT BLDG A & E
* 4/6/2024 10:31:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING B & C
* 4/6/2024 10:30:02 AM 4/29/2024 12:19:01 PM AIR BLOWER #3 RUNNING AT BLDG B & C
* 4/6/2024 10:16:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING D
* 4/6/2024 10:15:02 AM 4/29/2024 12:19:01 PM AIR BLOWER #2 RUNNING AT BLDG D
* 4/6/2024 10:01:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING A & E
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
6/28/2024
11:28:48 AM
#

#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Alarm time
Acknowledge time
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* 4/29/2024 7:20:29 AM 4/29/2024 12:19:01 PM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 4/29/2024 7:20:28 AM 4/29/2024 12:19:01 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 4/29/2024 7:20:28 AM 4/29/2024 12:19:01 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 4/29/2024 7:20:28 AM 4/29/2024 12:19:01 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 4/27/2024 10:31:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING B & C
* 4/27/2024 10:30:02 AM 4/29/2024 12:19:01 PM AIR BLOWER #3 RUNNING AT BLDG B & C
* 4/27/2024 10:16:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING D
* 4/27/2024 10:15:02 AM 4/29/2024 12:19:01 PM AIR BLOWER #2 RUNNING AT BLDG D
* 4/27/2024 10:01:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING A & E
* 4/27/2024 10:00:02 AM 4/29/2024 12:19:01 PM AIR BLOWER #1 RUNNING AT BLDG A & E
* 4/23/2024 11:13:00 AM 4/29/2024 12:19:01 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 4/23/2024 11:13:00 AM 4/29/2024 12:19:01 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 4/23/2024 11:12:48 AM 4/29/2024 12:19:01 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 4/23/2024 11:12:48 AM 4/29/2024 12:19:01 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 4/20/2024 10:31:02 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING B & C
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
6/28/2024
11:28:53 AM
#


Alarm History
Alarm time
Acknowledge time
Message
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM M3-2 CH4 FAULT GAS ALARM BUILDING B & C
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM M3-1 CH4 FAULT GAS ALARM BUILDING A & E
4/29/2024 8:44:03 AM 4/29/2024 12:19:01 PM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
4/29/2024 8:44:03 AM 4/29/2024 12:19:01 PM DUPLEX PANEL CONTROL NET COMMUNICATIO *
4/29/2024 8:44:02 AM 4/29/2024 12:19:01 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
4/29/2024 8:44:02 AM 4/29/2024 12:19:01 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
4/29/2024 8:44:02 AM 4/29/2024 12:19:01 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
4/29/2024 7:31:26 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING B & C
4/29/2024 7:27:41 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING B & C
4/29/2024 7:23:25 AM 4/29/2024 12:19:01 PM HVAC ON AT BUILDING D & C
4/29/2024 7:20:39 AM 4/29/2024 12:19:01 PM AIR BLOWER #3 RUNNING AT BLDG B & C
4/29/2024 7:20:39 AM 4/29/2024 12:19:01 PM AIR BLOWER #2 RUNNING AT BLDG D
4/29/2024 7:20:39 AM 4/29/2024 12:19:01 PM AIR BLOWER #1 RUNNING AT BLDG A & E
4/29/2024 7:20:39 AM 4/29/2024 12:19:01 PM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
4/29/2024 7:20:39 AM 4/29/2024 12:19:01 PM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
4/29/2024 7:20:39 AM 4/29/2024 12:19:01 PM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
11:28:58 AM
#

#


Alarm History
Alarm time
Acknowledge time
Message
5/9/2024 7:21:52 AM 6/17/2024 4:23:29 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
5/9/2024 7:21:52 AM 6/17/2024 4:23:29 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
5/4/2024 10:30:59 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
5/4/2024 10:30:00 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
5/4/2024 10:16:00 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING D
5/4/2024 10:15:00 AM 6/17/2024 4:23:29 PM AIR BLOWER #2 RUNNING AT BLDG D
5/4/2024 10:01:00 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING A & E
5/4/2024 10:00:00 AM 6/17/2024 4:23:29 PM AIR BLOWER #1 RUNNING AT BLDG A & E
4/29/2024 8:44:13 AM 4/29/2024 12:19:01 PM AIR BLOWER #2 RUNNING AT BLDG D
4/29/2024 8:44:13 AM 4/29/2024 12:19:01 PM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM AIR BLOWER #3 RUNNING AT BLDG B & C
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM AIR BLOWER #1 RUNNING AT BLDG A & E
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM M3-2 H2S FAULT GAS ALARM BUILDING B & C
4/29/2024 8:44:12 AM 4/29/2024 12:19:01 PM M3-1 H2S FAULT GAS ALARM BUILDING A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
11:29:02 AM
#


Alarm History
Alarm time
Acknowledge time
Message
5/9/2024 7:24:02 AM 6/17/2024 4:23:29 PM AIR BLOWER #2 RUNNING AT BLDG D
5/9/2024 7:24:02 AM 6/17/2024 4:23:29 PM AIR BLOWER #1 RUNNING AT BLDG A & E
5/9/2024 7:24:00 AM 6/17/2024 4:23:29 PM DUPLEX PANEL CONTROL NET COMMUNICATIO*
5/9/2024 7:24:00 AM 6/17/2024 4:23:29 PM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
5/9/2024 7:23:59 AM 6/17/2024 4:23:29 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
5/9/2024 7:23:59 AM 6/17/2024 4:23:29 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
5/9/2024 7:23:59 AM 6/17/2024 4:23:29 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
5/9/2024 7:22:23 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
5/9/2024 7:22:23 AM 6/17/2024 4:23:29 PM AIR BLOWER #2 RUNNING AT BLDG D
5/9/2024 7:22:23 AM 6/17/2024 4:23:29 PM AIR BLOWER #1 RUNNING AT BLDG A & E
5/9/2024 7:22:03 AM 6/17/2024 4:23:29 PM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
5/9/2024 7:22:03 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
5/9/2024 7:22:03 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
5/9/2024 7:21:53 AM 6/17/2024 4:23:29 PM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
5/9/2024 7:21:53 AM 6/17/2024 4:23:29 PM DUPLEX PANEL CONTROL NET COMMUNICATIO*
5/9/2024 7:21:52 AM 6/17/2024 4:23:29 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
11:29:07 AM
#

#


Alarm History
Alarm time
Acknowledge time
Message
5/9/2024 9:13:51 AM 6/17/2024 4:23:29 PM DUPLEX PANEL CONTROL NET COMMUNICATIO*
5/9/2024 9:13:50 AM 6/17/2024 4:23:29 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
5/9/2024 9:13:50 AM 6/17/2024 4:23:29 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
5/9/2024 9:13:50 AM 6/17/2024 4:23:29 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
5/9/2024 7:38:48 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
5/9/2024 7:35:19 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
5/9/2024 7:31:13 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
5/9/2024 7:26:25 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM M3-2 H2S FAULT GAS ALARM BUILDING B & C
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM M3-1 H2S FAULT GAS ALARM BUILDING A & E
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM M3-2 CH4 FAULT GAS ALARM BUILDING B & C
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM M3-1 CH4 FAULT GAS ALARM BUILDING A & E
5/9/2024 7:24:10 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
5/9/2024 7:24:02 AM 6/17/2024 4:23:29 PM
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
11:29:10 AM
#


Alarm History
Alarm time
Acknowledge time
Message
5/17/2024 6:29:22 AM 6/17/2024 4:23:29 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN
5/17/2024 6:29:10 AM 6/17/2024 4:23:29 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
5/17/2024 6:29:10 AM 6/17/2024 4:23:29 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN
5/11/2024 10:31:01 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
5/11/2024 10:30:01 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
5/11/2024 10:16:00 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING D
5/11/2024 10:15:02 AM 6/17/2024 4:23:29 PM AIR BLOWER #2 RUNNING AT BLDG D
5/11/2024 10:01:00 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING A & E
5/11/2024 10:00:01 AM 6/17/2024 4:23:29 PM AIR BLOWER #1 RUNNING AT BLDG A & E
5/9/2024 9:14:01 AM 6/17/2024 4:23:29 PM AIR BLOWER #2 RUNNING AT BLDG D
5/9/2024 9:14:01 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
5/9/2024 9:14:01 AM 6/17/2024 4:23:29 PM AIR BLOWER #1 RUNNING AT BLDG A & E
5/9/2024 9:14:01 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
5/9/2024 9:14:01 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
5/9/2024 9:14:01 AM 6/17/2024 4:23:29 PM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
5/9/2024 9:13:51 AM 6/17/2024 4:23:29 PM SIMPLEX PANEL CONTROL NET COMMUNICATIO
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
11:29:13 AM

#

#


Alarm History
Alarm time
Acknowledge time
Message
5/23/2024 2:48:50 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
5/23/2024 2:48:50 AM 6/17/2024 4:23:29 PM AIR BLOWER #1 RUNNING AT BLDG A & E
5/23/2024 2:48:50 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
5/23/2024 2:48:50 AM 6/17/2024 4:23:29 PM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
5/23/2024 2:48:47 AM 6/17/2024 4:23:29 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
5/23/2024 2:48:41 AM 6/17/2024 4:23:29 PM SIMPLEX PANEL CONTROL NET COMMUNICATIO
5/23/2024 2:48:40 AM 6/17/2024 4:23:29 PM DUPLEX PANEL CONTROL NET COMMUNICATIO
5/23/2024 2:48:40 AM 6/17/2024 4:23:29 PM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
5/23/2024 2:48:40 AM 6/17/2024 4:23:29 PM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN
5/23/2024 2:48:40 AM 6/17/2024 4:23:29 PM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
5/18/2024 10:31:03 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
5/18/2024 10:30:03 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
5/18/2024 10:16:03 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING D
5/18/2024 10:15:03 AM 6/17/2024 4:23:29 PM AIR BLOWER #2 RUNNING AT BLDG D
5/18/2024 10:01:03 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING A & E
5/18/2024 10:00:03 AM 6/17/2024 4:23:29 PM AIR BLOWER #1 RUNNING AT BLDG A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
11:29:17 AM

#

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Alarm History
Alarm time | Acknowledge time | Message
5/23/2024 3:01:28 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
5/23/2024 2:59:01 AM | 6/17/2024 4:23:29 PM | SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
5/23/2024 2:59:00 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
5/23/2024 2:59:00 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
5/23/2024 2:58:51 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #3 RUNNING AT BLDG B & C
5/23/2024 2:58:51 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #2 RUNNING AT BLDG D
5/23/2024 2:58:51 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #1 RUNNING AT BLDG A & E
5/23/2024 2:58:51 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL CONTROL NET COMMUNICATIO*
5/23/2024 2:58:51 AM | 6/17/2024 4:23:29 PM | SIMPLEX PANEL CONTROL NET COMMUNICATIO*
5/23/2024 2:58:50 AM | 6/17/2024 4:23:29 PM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
5/23/2024 2:58:50 AM | 6/17/2024 4:23:29 PM | POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
5/23/2024 2:58:50 AM | 6/17/2024 4:23:29 PM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
5/23/2024 2:58:24 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
5/23/2024 2:54:42 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
5/23/2024 2:48:51 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #2 RUNNING AT BLDG D
5/23/2024 2:48:51 AM | 6/17/2024 4:23:29 PM | SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
11:29:19 AM

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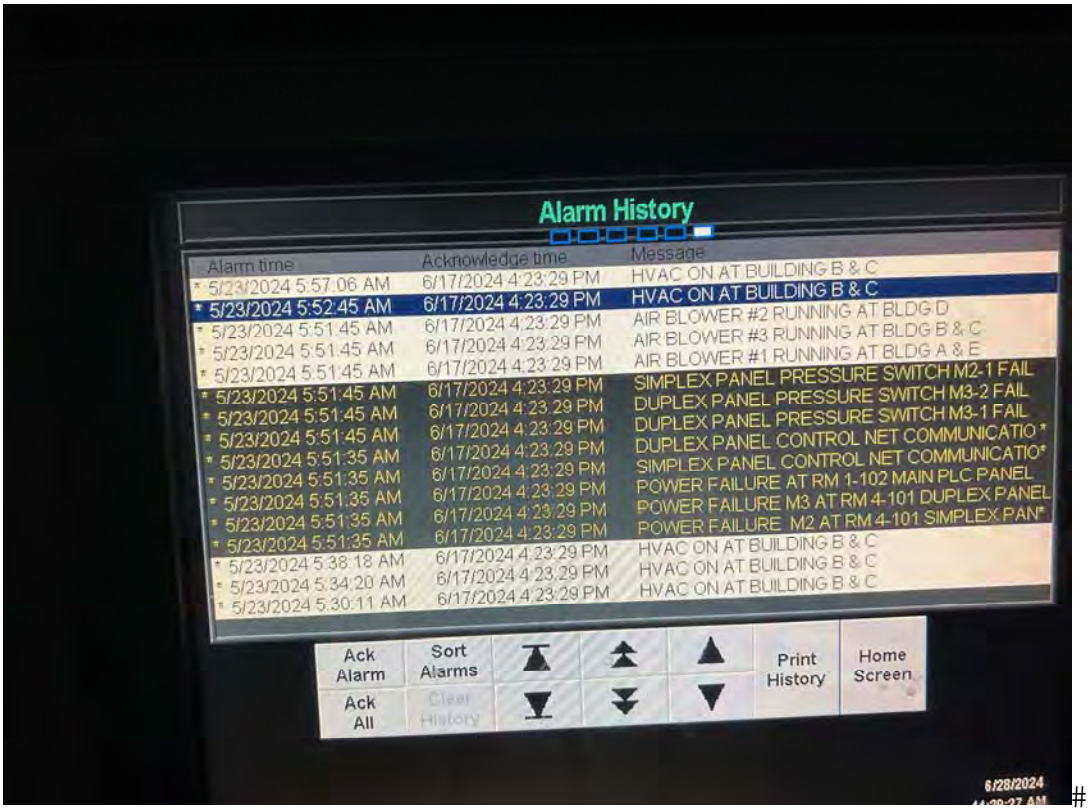
Alarm History
Alarm time | Acknowledge time | Message
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5/23/2024 5:52:45 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
5/23/2024 5:51:45 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #2 RUNNING AT BLDG D
5/23/2024 5:51:45 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #3 RUNNING AT BLDG B & C
5/23/2024 5:51:45 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #1 RUNNING AT BLDG A & E
5/23/2024 5:51:45 AM | 6/17/2024 4:23:29 PM | SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
5/23/2024 5:51:45 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
5/23/2024 5:51:45 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
5/23/2024 5:51:35 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL CONTROL NET COMMUNICATIO*
5/23/2024 5:51:35 AM | 6/17/2024 4:23:29 PM | SIMPLEX PANEL CONTROL NET COMMUNICATIO*
5/23/2024 5:51:35 AM | 6/17/2024 4:23:29 PM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
5/23/2024 5:51:35 AM | 6/17/2024 4:23:29 PM | POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
5/23/2024 5:51:35 AM | 6/17/2024 4:23:29 PM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
5/23/2024 5:38:18 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
5/23/2024 5:34:20 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
5/23/2024 5:30:11 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024

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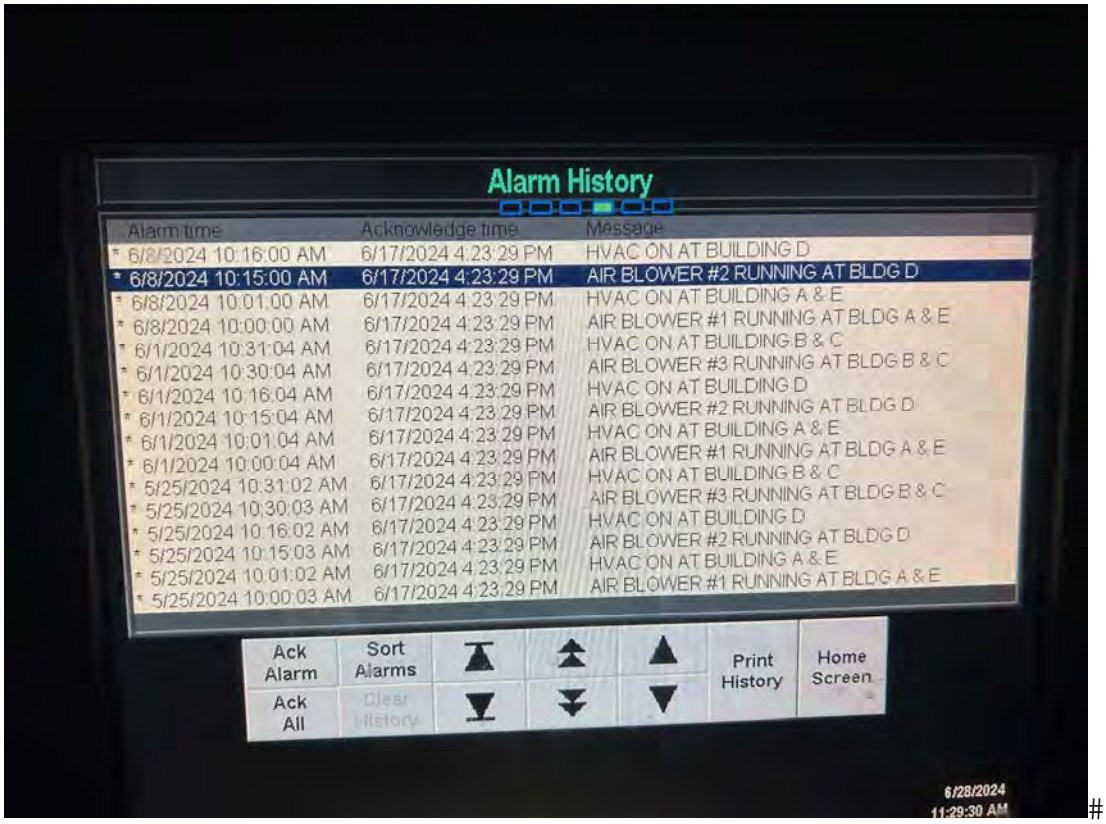
Alarm History
Alarm time | Acknowledge time | Message
* 6/8/2024 10:16:00 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING D
* 6/8/2024 10:15:00 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #2 RUNNING AT BLDG D
* 6/8/2024 10:01:00 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING A & E
* 6/8/2024 10:00:00 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/1/2024 10:31:04 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
* 6/1/2024 10:30:04 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/1/2024 10:16:04 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING D
* 6/1/2024 10:15:04 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #2 RUNNING AT BLDG D
* 6/1/2024 10:01:04 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING A & E
* 6/1/2024 10:00:04 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 5/25/2024 10:31:02 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
* 5/25/2024 10:30:03 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 5/25/2024 10:16:02 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING D
* 5/25/2024 10:15:03 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #2 RUNNING AT BLDG D
* 5/25/2024 10:01:02 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING A & E
* 5/25/2024 10:00:03 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #1 RUNNING AT BLDG A & E
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
6/28/2024
11:29:30 AM
#

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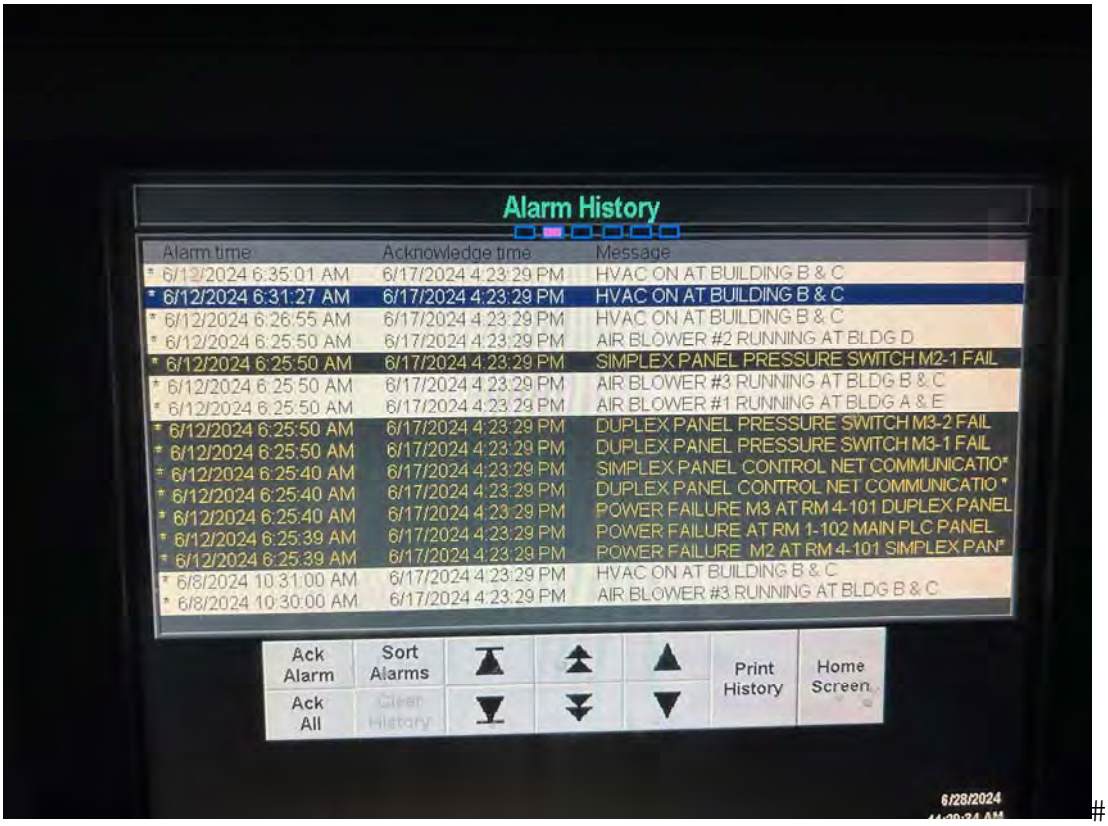
Alarm History
Alarm time | Acknowledge time | Message
* 6/12/2024 6:35:01 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
* 6/12/2024 6:31:27 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
* 6/12/2024 6:26:55 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
* 6/12/2024 6:25:50 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #2 RUNNING AT BLDG D
* 6/12/2024 6:25:50 AM | 6/17/2024 4:23:29 PM | SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 6/12/2024 6:25:50 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/12/2024 6:25:50 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/12/2024 6:25:50 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 6/12/2024 6:25:50 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 6/12/2024 6:25:40 AM | 6/17/2024 4:23:29 PM | SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 6/12/2024 6:25:40 AM | 6/17/2024 4:23:29 PM | DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 6/12/2024 6:25:40 AM | 6/17/2024 4:23:29 PM | POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 6/12/2024 6:25:39 AM | 6/17/2024 4:23:29 PM | POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 6/12/2024 6:25:39 AM | 6/17/2024 4:23:29 PM | POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 6/8/2024 10:31:00 AM | 6/17/2024 4:23:29 PM | HVAC ON AT BUILDING B & C
* 6/8/2024 10:30:00 AM | 6/17/2024 4:23:29 PM | AIR BLOWER #3 RUNNING AT BLDG B & C
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
6/28/2024
#


Alarm History
Alarm time
Acknowledge time
Message
* 6/20/2024 5:26:20 AM 6/20/2024 6:40:06 AM AIR BLOWER #2 RUNNING AT BLDG D
* 6/20/2024 5:26:20 AM 6/20/2024 6:40:06 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/20/2024 5:26:20 AM 6/20/2024 6:40:06 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 6/20/2024 5:26:20 AM 6/20/2024 6:40:06 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 6/20/2024 5:26:20 AM 6/20/2024 6:40:06 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 6/20/2024 5:26:20 AM 6/20/2024 6:40:06 AM M2-1 H2S FAULT GAS ALARM BUILDING D
* 6/20/2024 5:26:20 AM 6/20/2024 6:40:06 AM M2-1 CH4 FAULT GAS ALARM BUILDING D
* 6/20/2024 5:26:10 AM 6/20/2024 6:40:06 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 6/20/2024 5:26:10 AM 6/20/2024 6:40:06 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 6/20/2024 5:26:09 AM 6/20/2024 6:40:06 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 6/20/2024 5:26:09 AM 6/20/2024 6:40:06 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 6/20/2024 5:26:09 AM 6/20/2024 6:40:06 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 6/15/2024 10:31:04 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING B & C
* 6/15/2024 10:30:04 AM 6/17/2024 4:23:29 PM AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/15/2024 10:16:04 AM 6/17/2024 4:23:29 PM HVAC ON AT BUILDING D
* 6/15/2024 10:15:04 AM 6/17/2024 4:23:29 PM AIR BLOWER #2 RUNNING AT BLDG D
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
#

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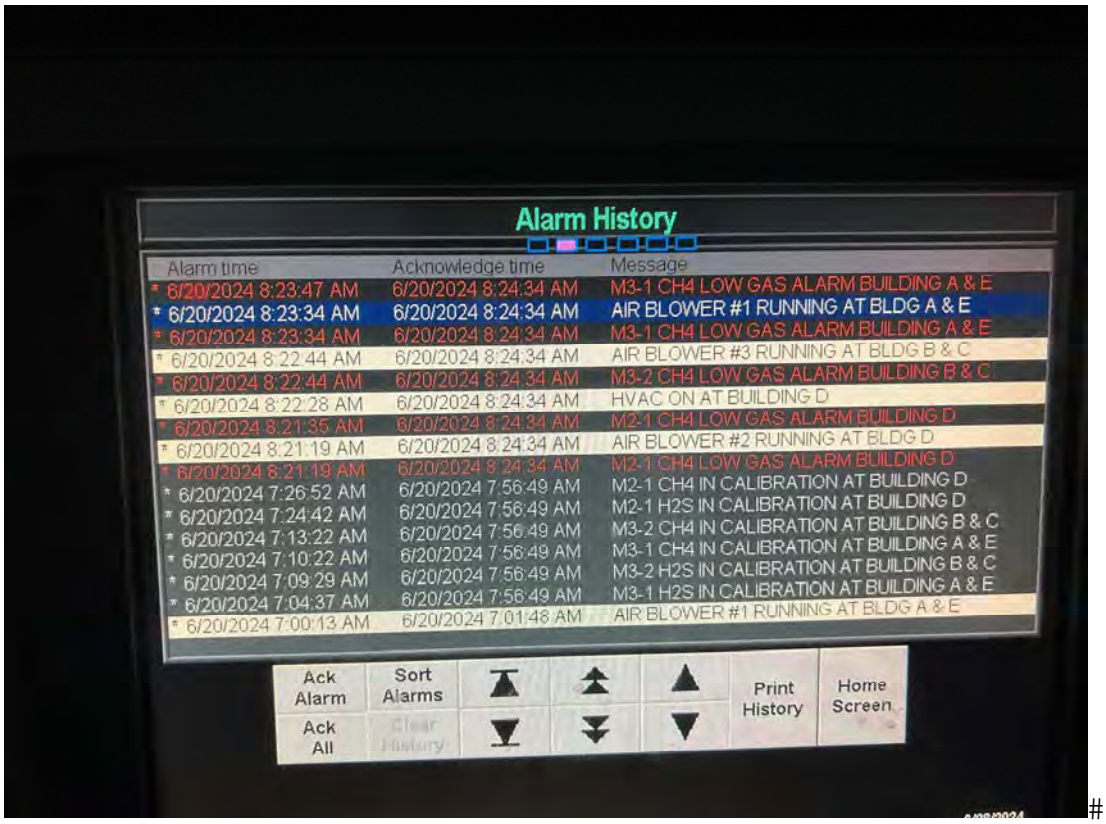
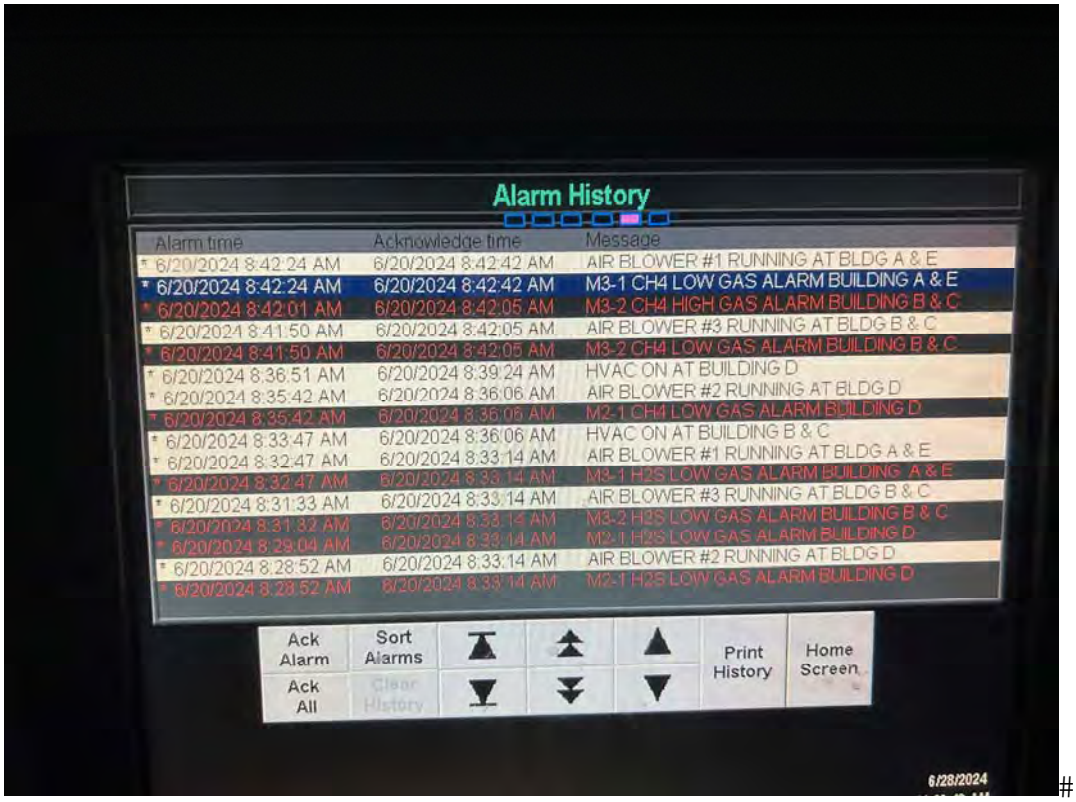

Alarm History
Alarm time
Acknowledge time
Message
* 6/20/2024 8:23:47 AM 6/20/2024 8:24:34 AM M3-1 CH4 LOW GAS ALARM BUILDING A & E
* 6/20/2024 8:23:34 AM 6/20/2024 8:24:34 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/20/2024 8:23:34 AM 6/20/2024 8:24:34 AM M3-1 CH4 LOW GAS ALARM BUILDING A & E
* 6/20/2024 8:22:44 AM 6/20/2024 8:24:34 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/20/2024 8:22:44 AM 6/20/2024 8:24:34 AM M3-2 CH4 LOW GAS ALARM BUILDING B & C
* 6/20/2024 8:22:28 AM 6/20/2024 8:24:34 AM HVAC ON AT BUILDING D
* 6/20/2024 8:21:35 AM 6/20/2024 8:24:34 AM M2-1 CH4 LOW GAS ALARM BUILDING D
* 6/20/2024 8:21:19 AM 6/20/2024 8:24:34 AM AIR BLOWER #2 RUNNING AT BLDG D
* 6/20/2024 8:21:19 AM 6/20/2024 8:24:34 AM M2-1 CH4 LOW GAS ALARM BUILDING D
* 6/20/2024 7:26:52 AM 6/20/2024 7:56:49 AM M2-1 CH4 IN CALIBRATION AT BUILDING D
* 6/20/2024 7:24:42 AM 6/20/2024 7:56:49 AM M2-1 H2S IN CALIBRATION AT BUILDING D
* 6/20/2024 7:13:22 AM 6/20/2024 7:56:49 AM M3-2 CH4 IN CALIBRATION AT BUILDING B & C
* 6/20/2024 7:10:22 AM 6/20/2024 7:56:49 AM M3-1 CH4 IN CALIBRATION AT BUILDING A & E
* 6/20/2024 7:09:29 AM 6/20/2024 7:56:49 AM M3-2 H2S IN CALIBRATION AT BUILDING B & C
* 6/20/2024 7:04:37 AM 6/20/2024 7:56:49 AM M3-1 H2S IN CALIBRATION AT BUILDING A & E
* 6/20/2024 7:00:13 AM 6/20/2024 7:01:48 AM AIR BLOWER #1 RUNNING AT BLDG A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
#


Alarm History
Alarm time
Acknowledge time
Message
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6/20/2024 8:42:24 AM 6/20/2024 8:42:42 AM M3-1 CH4 LOW GAS ALARM BUILDING A & E
6/20/2024 8:42:01 AM 6/20/2024 8:42:05 AM M3-2 CH4 HIGH GAS ALARM BUILDING B & C
6/20/2024 8:41:50 AM 6/20/2024 8:42:05 AM AIR BLOWER #3 RUNNING AT BLDG B & C
6/20/2024 8:41:50 AM 6/20/2024 8:42:05 AM M3-2 CH4 LOW GAS ALARM BUILDING B & C
6/20/2024 8:36:51 AM 6/20/2024 8:39:24 AM HVAC ON AT BUILDING D
6/20/2024 8:35:42 AM 6/20/2024 8:36:06 AM AIR BLOWER #2 RUNNING AT BLDG D
6/20/2024 8:35:42 AM 6/20/2024 8:36:06 AM M2-1 CH4 LOW GAS ALARM BUILDING D
6/20/2024 8:33:47 AM 6/20/2024 8:36:06 AM HVAC ON AT BUILDING B & C
6/20/2024 8:32:47 AM 6/20/2024 8:33:14 AM AIR BLOWER #1 RUNNING AT BLDG A & E
6/20/2024 8:32:47 AM 6/20/2024 8:33:14 AM M3-1 H2S LOW GAS ALARM BUILDING A & E
6/20/2024 8:31:33 AM 6/20/2024 8:33:14 AM AIR BLOWER #3 RUNNING AT BLDG B & C
6/20/2024 8:31:32 AM 6/20/2024 8:33:14 AM M3-2 H2S LOW GAS ALARM BUILDING B & C
6/20/2024 8:29:04 AM 6/20/2024 8:33:14 AM M2-1 H2S LOW GAS ALARM BUILDING D
6/20/2024 8:28:52 AM 6/20/2024 8:33:14 AM AIR BLOWER #2 RUNNING AT BLDG D
6/20/2024 8:28:52 AM 6/20/2024 8:33:14 AM M2-1 H2S LOW GAS ALARM BUILDING D
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024

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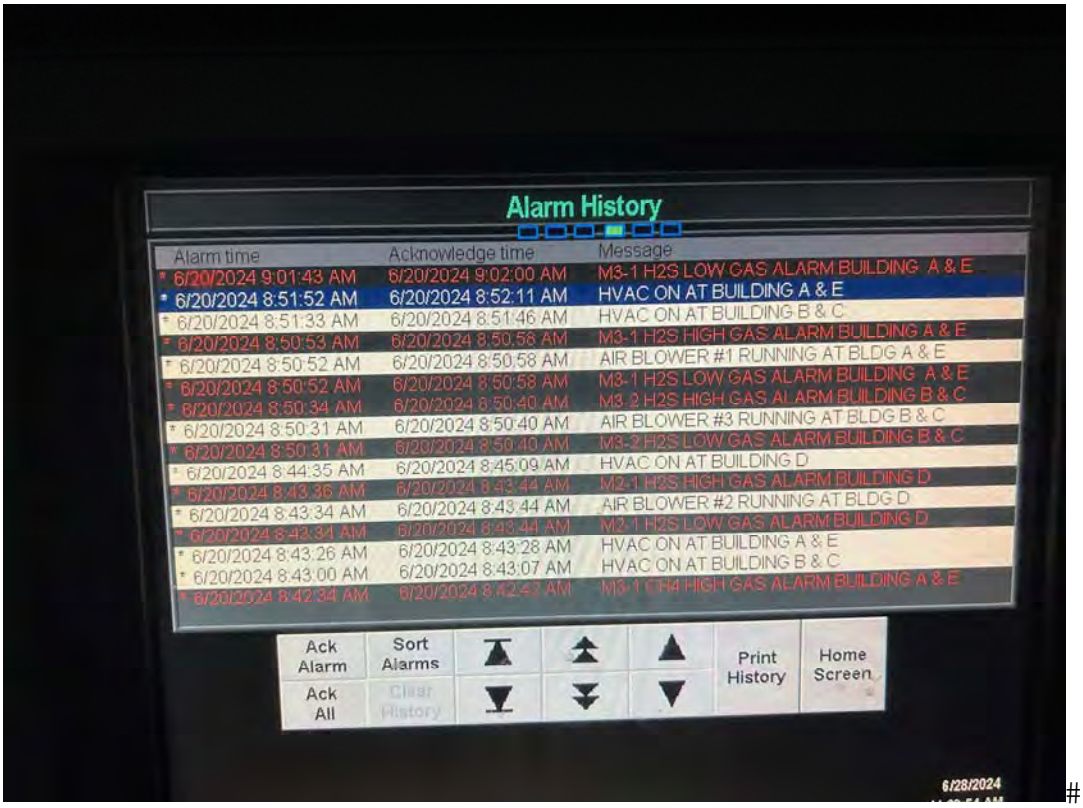
Alarm History
Alarm time
Acknowledge time
Message
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6/20/2024 8:51:52 AM 6/20/2024 8:52:11 AM HVAC ON AT BUILDING A & E
6/20/2024 8:51:33 AM 6/20/2024 8:51:46 AM HVAC ON AT BUILDING B & C
6/20/2024 8:50:53 AM 6/20/2024 8:50:58 AM M3-1 H2S HIGH GAS ALARM BUILDING A & E
6/20/2024 8:50:52 AM 6/20/2024 8:50:58 AM AIR BLOWER #1 RUNNING AT BLDG A & E
6/20/2024 8:50:52 AM 6/20/2024 8:50:58 AM M3-1 H2S LOW GAS ALARM BUILDING A & E
6/20/2024 8:50:34 AM 6/20/2024 8:50:40 AM M3-2 H2S HIGH GAS ALARM BUILDING B & C
6/20/2024 8:50:31 AM 6/20/2024 8:50:40 AM AIR BLOWER #3 RUNNING AT BLDG B & C
6/20/2024 8:50:31 AM 6/20/2024 8:50:40 AM M3-2 H2S LOW GAS ALARM BUILDING B & C
6/20/2024 8:44:35 AM 6/20/2024 8:45:09 AM HVAC ON AT BUILDING D
6/20/2024 8:43:36 AM 6/20/2024 8:43:44 AM M2-1 H2S HIGH GAS ALARM BUILDING D
6/20/2024 8:43:34 AM 6/20/2024 8:43:44 AM AIR BLOWER #2 RUNNING AT BLDG D
6/20/2024 8:43:34 AM 6/20/2024 8:43:44 AM M2-1 H2S LOW GAS ALARM BUILDING D
6/20/2024 8:43:26 AM 6/20/2024 8:43:28 AM HVAC ON AT BUILDING A & E
6/20/2024 8:43:00 AM 6/20/2024 8:43:07 AM HVAC ON AT BUILDING B & C
6/20/2024 8:42:34 AM 6/20/2024 8:42:47 AM M3-1 CH4 HIGH GAS ALARM BUILDING A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024

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Alarm History
Alarm time
Acknowledge time
Message
6/20/2024 9:21:52 AM
6/20/2024 9:22:01 AM
M2-1 CH4 IN CALIBRATION AT BUILDING D
6/20/2024 9:19:40 AM
6/20/2024 9:20:16 AM
AIR BLOWER #2 RUNNING AT BLDG D
6/20/2024 9:19:40 AM
6/20/2024 9:20:16 AM
M2-1 CH4 FAULT GAS ALARM BUILDING D
6/20/2024 9:19:29 AM
6/20/2024 9:20:16 AM
M2-1 CH4 IN CALIBRATION AT BUILDING D
6/20/2024 9:18:13 AM
6/20/2024 9:19:07 AM
AIR BLOWER #3 RUNNING AT BLDG B & C
6/20/2024 9:18:12 AM
6/20/2024 9:19:07 AM
M3-2 CH4 FAULT GAS ALARM BUILDING B & C
6/20/2024 9:16:44 AM
6/20/2024 9:17:52 AM
AIR BLOWER #1 RUNNING AT BLDG A & E
6/20/2024 9:16:44 AM
6/20/2024 9:17:52 AM
M3-1 CH4 FAULT GAS ALARM BUILDING A & E
6/20/2024 9:05:08 AM
6/20/2024 9:05:21 AM
HVAC ON AT BUILDING A & E
6/20/2024 9:05:05 AM
6/20/2024 9:05:21 AM
HVAC ON AT BUILDING B & C
6/20/2024 9:03:00 AM
6/20/2024 9:03:09 AM
AIR BLOWER #2 RUNNING AT BLDG D
6/20/2024 9:03:00 AM
6/20/2024 9:03:09 AM
M2-1 CH4 LOW GAS ALARM BUILDING D
6/20/2024 9:02:21 AM
6/20/2024 9:02:29 AM
AIR BLOWER #3 RUNNING AT BLDG B & C
6/20/2024 9:02:21 AM
6/20/2024 9:02:29 AM
M3-2 H2S LOW GAS ALARM BUILDING B & C
6/20/2024 9:01:55 AM
6/20/2024 9:02:00 AM
M3-1 H2S LOW GAS ALARM BUILDING A & E
6/20/2024 9:01:43 AM
6/20/2024 9:02:00 AM
AIR BLOWER #1 RUNNING AT BLDG A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
6/28/2024
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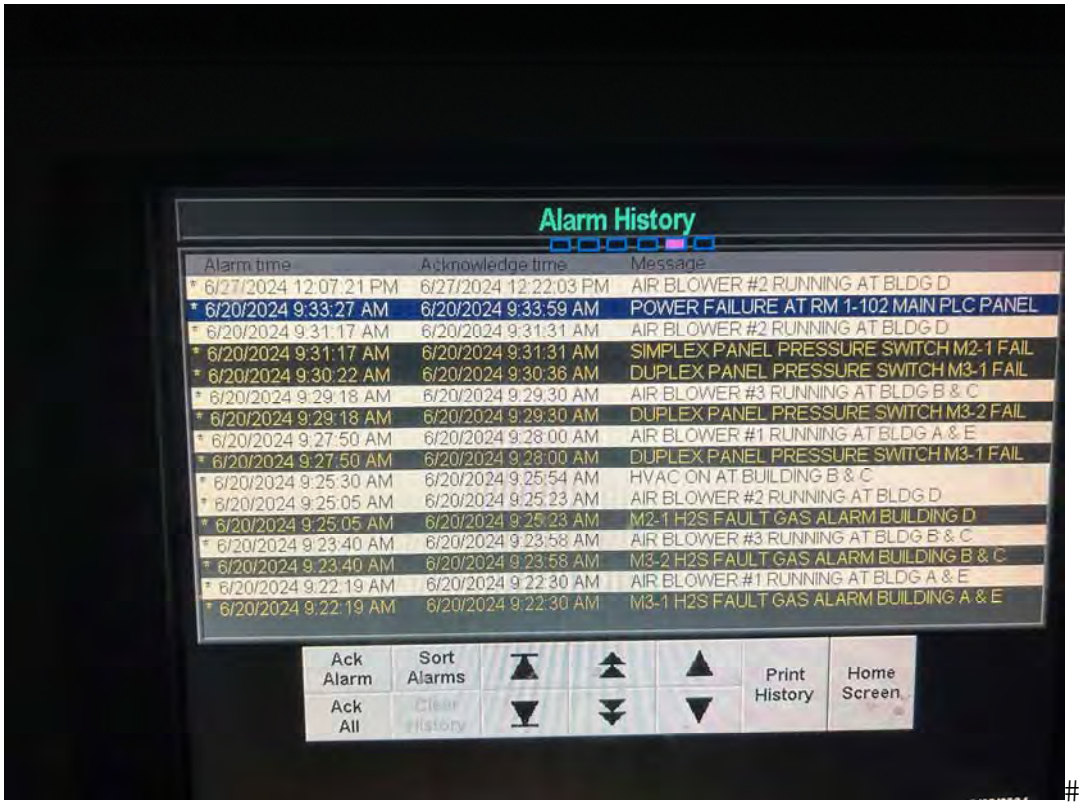
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* 6/20/2024 9:31:17 AM 6/20/2024 9:31:31 AM AIR BLOWER #2 RUNNING AT BLDG D
* 6/20/2024 9:31:17 AM 6/20/2024 9:31:31 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 6/20/2024 9:30:22 AM 6/20/2024 9:30:36 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 6/20/2024 9:29:18 AM 6/20/2024 9:29:30 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/20/2024 9:29:18 AM 6/20/2024 9:29:30 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 6/20/2024 9:27:50 AM 6/20/2024 9:28:00 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/20/2024 9:27:50 AM 6/20/2024 9:28:00 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 6/20/2024 9:25:30 AM 6/20/2024 9:25:54 AM HVAC ON AT BUILDING B & C
* 6/20/2024 9:25:05 AM 6/20/2024 9:25:23 AM AIR BLOWER #2 RUNNING AT BLDG D
* 6/20/2024 9:25:05 AM 6/20/2024 9:25:23 AM M2-1 H2S FAULT GAS ALARM BUILDING D
* 6/20/2024 9:23:40 AM 6/20/2024 9:23:58 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/20/2024 9:23:40 AM 6/20/2024 9:23:58 AM M3-2 H2S FAULT GAS ALARM BUILDING B & C
* 6/20/2024 9:22:19 AM 6/20/2024 9:22:30 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/20/2024 9:22:19 AM 6/20/2024 9:22:30 AM M3-1 H2S FAULT GAS ALARM BUILDING A & E
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Sort Alarms
Print History
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Clear History
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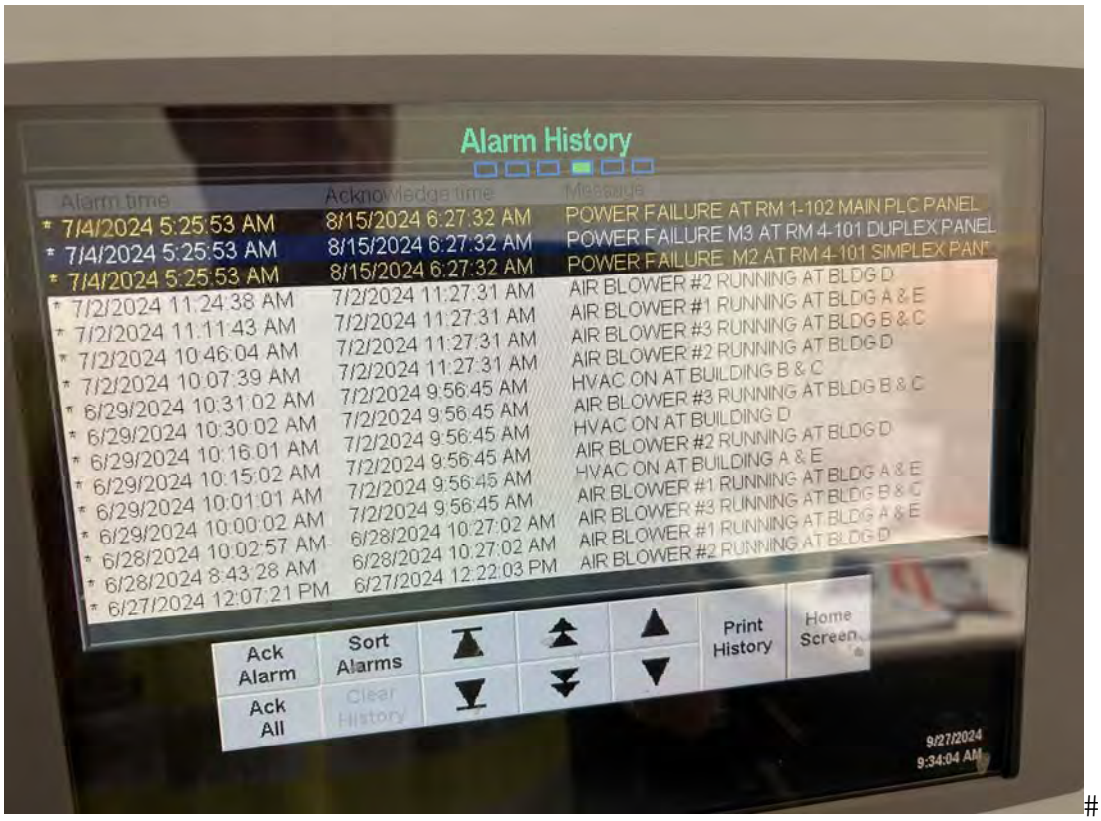
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* 7/4/2024 5:25:53 AM 8/15/2024 6:27:32 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN
* 7/2/2024 11:24:38 AM 7/2/2024 11:27:31 AM AIR BLOWER #2 RUNNING AT BLDG D
* 7/2/2024 11:11:43 AM 7/2/2024 11:27:31 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 7/2/2024 10:46:04 AM 7/2/2024 11:27:31 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 7/2/2024 10:07:39 AM 7/2/2024 11:27:31 AM AIR BLOWER #2 RUNNING AT BLDG D
* 6/29/2024 10:31:02 AM 7/2/2024 9:56:45 AM HVAC ON AT BUILDING B & C
* 6/29/2024 10:30:02 AM 7/2/2024 9:56:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/29/2024 10:16:01 AM 7/2/2024 9:56:45 AM HVAC ON AT BUILDING D
* 6/29/2024 10:15:02 AM 7/2/2024 9:56:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 6/29/2024 10:01:01 AM 7/2/2024 9:56:45 AM HVAC ON AT BUILDING A & E
* 6/29/2024 10:00:02 AM 7/2/2024 9:56:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/28/2024 10:02:57 AM 6/28/2024 10:27:02 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 6/28/2024 8:43:28 AM 6/28/2024 10:27:02 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 6/27/2024 12:07:21 PM 6/27/2024 12:22:03 PM AIR BLOWER #2 RUNNING AT BLDG D
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:34:04 AM
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GENERAL MONITORS
HAZARDWATCH
Alarm History
Alarm time
Acknowledge time
Message
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7/4/2024 5:40:52 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING B & C
7/4/2024 5:36:34 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING B & C
7/4/2024 5:32:33 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING B & C
7/4/2024 5:28:46 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING B & C
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7/4/2024 5:26:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
7/4/2024 5:26:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
7/4/2024 5:26:04 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
7/4/2024 5:26:04 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
7/4/2024 5:26:04 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
7/4/2024 5:25:54 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
7/4/2024 5:25:54 AM 8/15/2024 6:27:32 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
7/4/2024 5:25:53 AM 8/15/2024 6:27:32 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
7/4/2024 5:25:53 AM 8/15/2024 6:27:32 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
7/4/2024 5:25:53 AM 8/15/2024 6:27:32 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:33:50 AM
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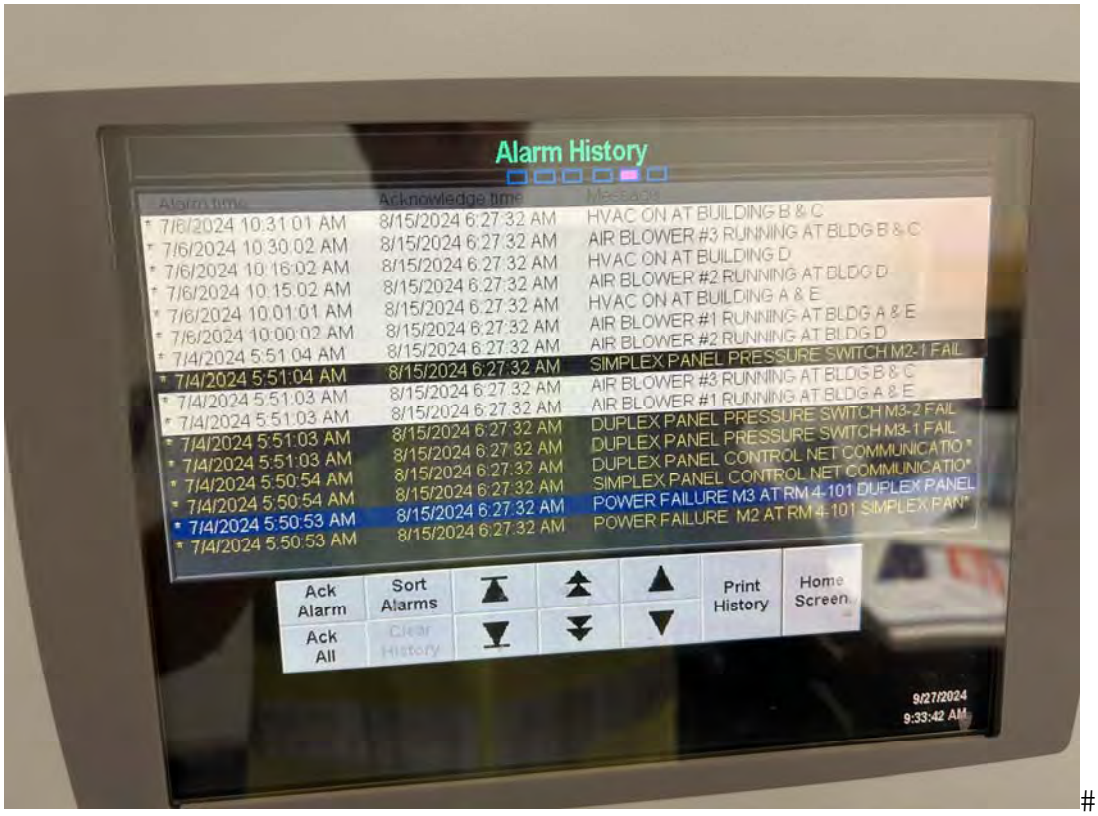
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7/6/2024 10:16:02 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING D
7/6/2024 10:15:02 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
7/6/2024 10:01:01 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING A & E
7/6/2024 10:00:02 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
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7/4/2024 5:51:03 AM 8/15/2024 6:27:32 AM AIR BLOWER #3 RUNNING AT BLDG B & C
7/4/2024 5:51:03 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
7/4/2024 5:51:03 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
7/4/2024 5:51:03 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
7/4/2024 5:50:54 AM 8/15/2024 6:27:32 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
7/4/2024 5:50:54 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
7/4/2024 5:50:53 AM 8/15/2024 6:27:32 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
7/4/2024 5:50:53 AM 8/15/2024 6:27:32 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:33:42 AM
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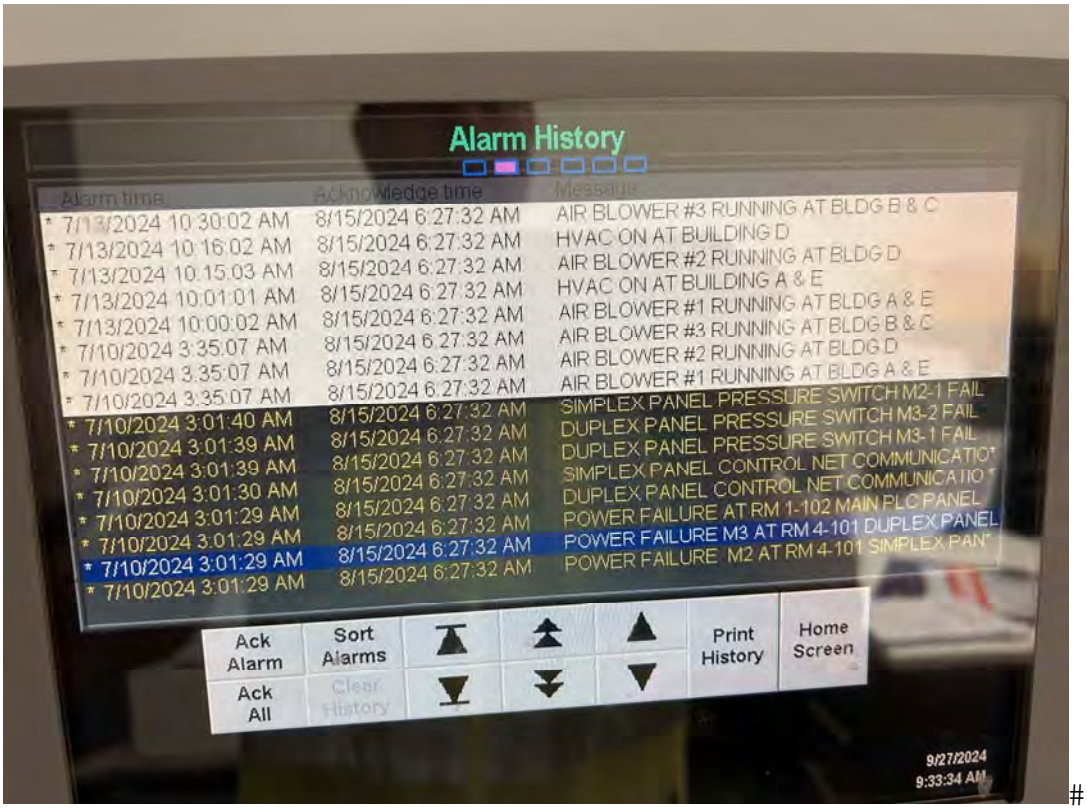
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* 7/13/2024 10:16:02 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING D
* 7/13/2024 10:15:03 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
* 7/13/2024 10:01:01 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING A & E
* 7/13/2024 10:00:02 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 7/10/2024 3:35:07 AM 8/15/2024 6:27:32 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 7/10/2024 3:35:07 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
* 7/10/2024 3:35:07 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 7/10/2024 3:01:40 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 7/10/2024 3:01:39 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 7/10/2024 3:01:39 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 7/10/2024 3:01:30 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 7/10/2024 3:01:29 AM 8/15/2024 6:27:32 AM DUPLEX PANEL CONTROL NET COMMUNICATIO*
* 7/10/2024 3:01:29 AM 8/15/2024 6:27:32 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 7/10/2024 3:01:29 AM 8/15/2024 6:27:32 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 7/10/2024 3:01:29 AM 8/15/2024 6:27:32 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
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9/27/2024
9:33:34 AM
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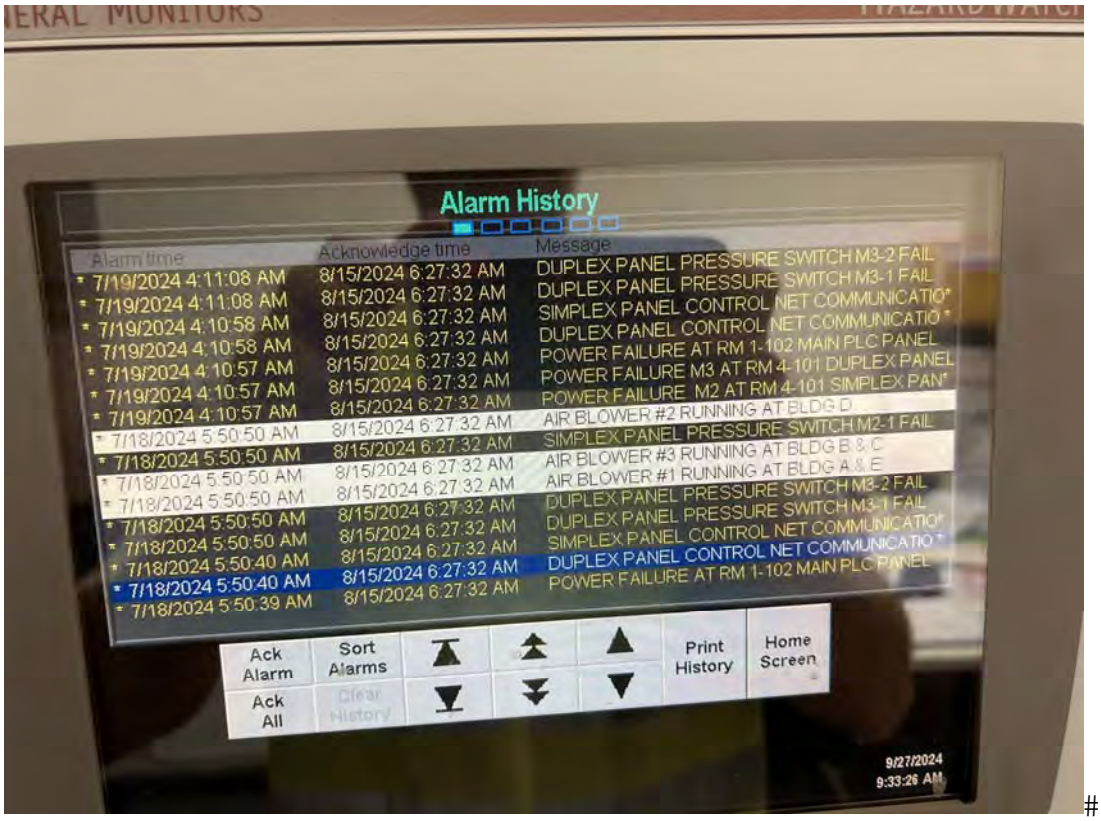
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* 7/19/2024 4:10:58 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 7/19/2024 4:10:58 AM 8/15/2024 6:27:32 AM DUPLEX PANEL CONTROL NET COMMUNICATIO*
* 7/19/2024 4:10:57 AM 8/15/2024 6:27:32 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 7/19/2024 4:10:57 AM 8/15/2024 6:27:32 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 7/19/2024 4:10:57 AM 8/15/2024 6:27:32 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 7/18/2024 5:50:50 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
* 7/18/2024 5:50:50 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 7/18/2024 5:50:50 AM 8/15/2024 6:27:32 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 7/18/2024 5:50:50 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 7/18/2024 5:50:50 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 7/18/2024 5:50:50 AM 8/15/2024 6:27:32 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 7/18/2024 5:50:40 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 7/18/2024 5:50:40 AM 8/15/2024 6:27:32 AM DUPLEX PANEL CONTROL NET COMMUNICATIO*
* 7/18/2024 5:50:39 AM 8/15/2024 6:27:32 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
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Sort Alarms
Print History
Home Screen
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Clear History
9/27/2024
9:33:26 AM
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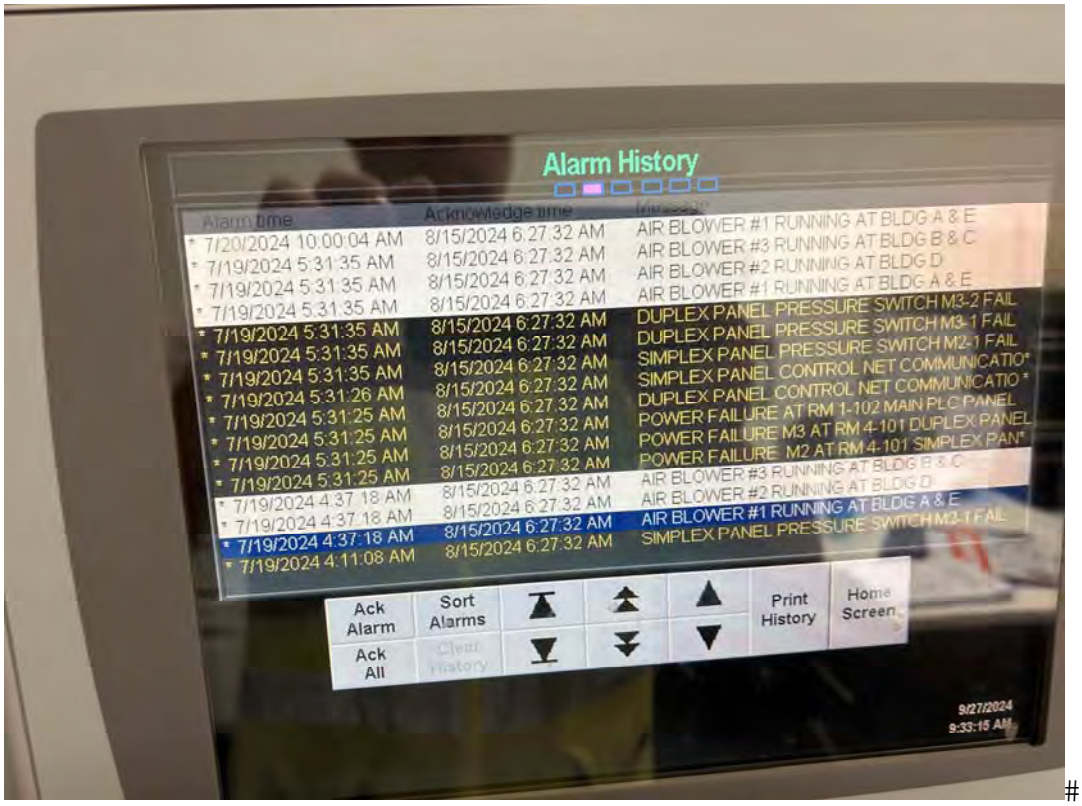
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7/19/2024 5:31:35 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
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7/19/2024 5:31:26 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
7/19/2024 5:31:25 AM 8/15/2024 6:27:32 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
7/19/2024 5:31:25 AM 8/15/2024 6:27:32 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
7/19/2024 5:31:25 AM 8/15/2024 6:27:32 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
7/19/2024 5:31:25 AM 8/15/2024 6:27:32 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
7/19/2024 4:37:18 AM 8/15/2024 6:27:32 AM AIR BLOWER #3 RUNNING AT BLDG B & C
7/19/2024 4:37:18 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
7/19/2024 4:37:18 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
7/19/2024 4:11:08 AM 8/15/2024 6:27:32 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:33:15 AM
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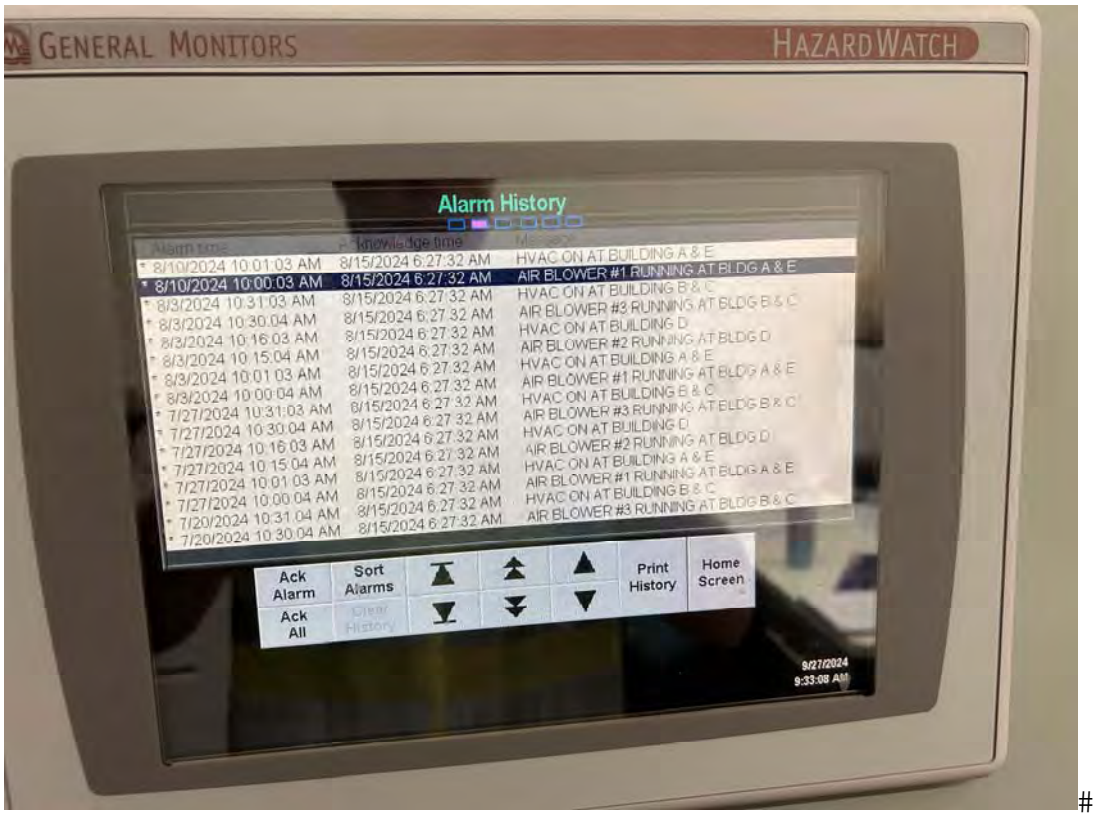
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HAZARDWATCH
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Acknowledge time
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8/10/2024 10:00:03 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
8/3/2024 10:31:03 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING B & C
8/3/2024 10:30:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #3 RUNNING AT BLDG B & C
8/3/2024 10:16:03 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING D
8/3/2024 10:15:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
8/3/2024 10:01:03 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING A & E
8/3/2024 10:00:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
7/27/2024 10:31:03 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING B & C
7/27/2024 10:30:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #3 RUNNING AT BLDG B & C
7/27/2024 10:16:03 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING D
7/27/2024 10:15:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #2 RUNNING AT BLDG D
7/27/2024 10:01:03 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING A & E
7/27/2024 10:00:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
7/20/2024 10:31:04 AM 8/15/2024 6:27:32 AM HVAC ON AT BUILDING B & C
7/20/2024 10:30:04 AM 8/15/2024 6:27:32 AM AIR BLOWER #3 RUNNING AT BLDG B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:33:08 AM
#

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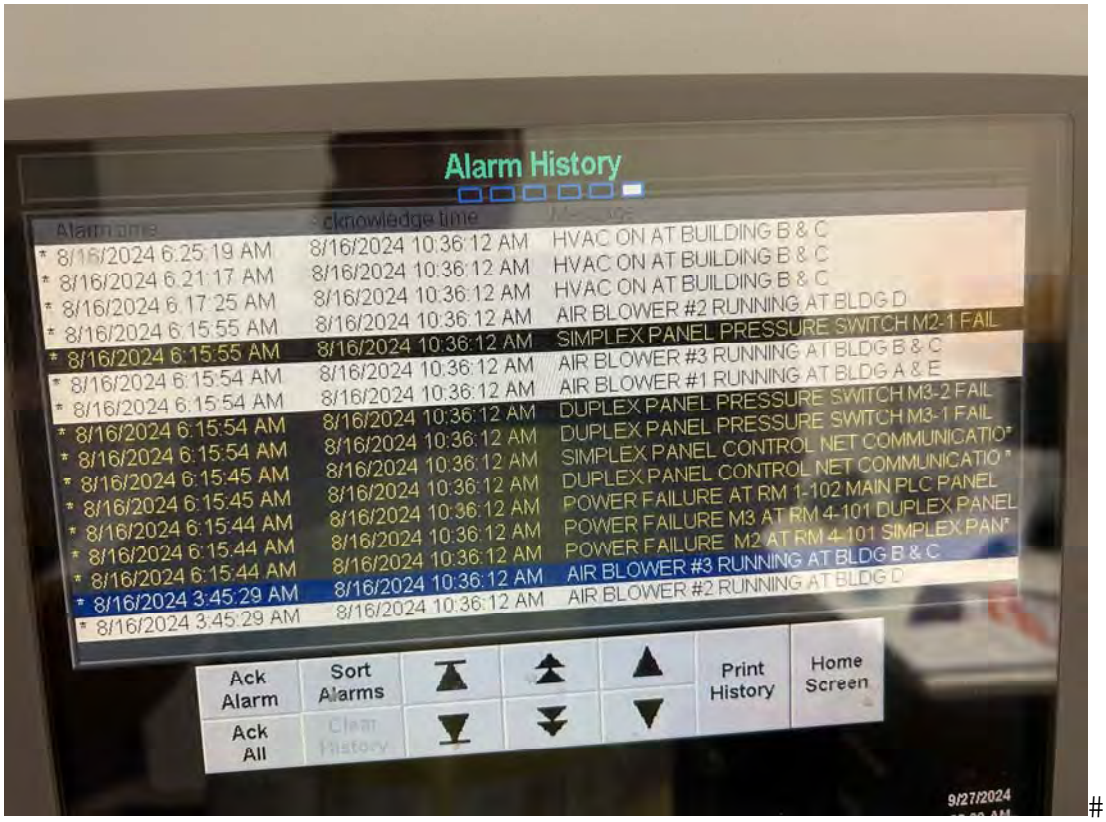
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* 8/16/2024 6:17:25 AM 8/16/2024 10:36:12 AM HVAC ON AT BUILDING B & C
* 8/16/2024 6:15:55 AM 8/16/2024 10:36:12 AM AIR BLOWER #2 RUNNING AT BLDG D
* 8/16/2024 6:15:55 AM 8/16/2024 10:36:12 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 8/16/2024 6:15:54 AM 8/16/2024 10:36:12 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 8/16/2024 6:15:54 AM 8/16/2024 10:36:12 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 8/16/2024 6:15:54 AM 8/16/2024 10:36:12 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 8/16/2024 6:15:54 AM 8/16/2024 10:36:12 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
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* 8/16/2024 6:15:45 AM 8/16/2024 10:36:12 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 8/16/2024 6:15:44 AM 8/16/2024 10:36:12 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 8/16/2024 6:15:44 AM 8/16/2024 10:36:12 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 8/16/2024 6:15:44 AM 8/16/2024 10:36:12 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 8/16/2024 3:45:29 AM 8/16/2024 10:36:12 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 8/16/2024 3:45:29 AM 8/16/2024 10:36:12 AM AIR BLOWER #2 RUNNING AT BLDG D
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Home Screen
Ack All
Clear History
9/27/2024
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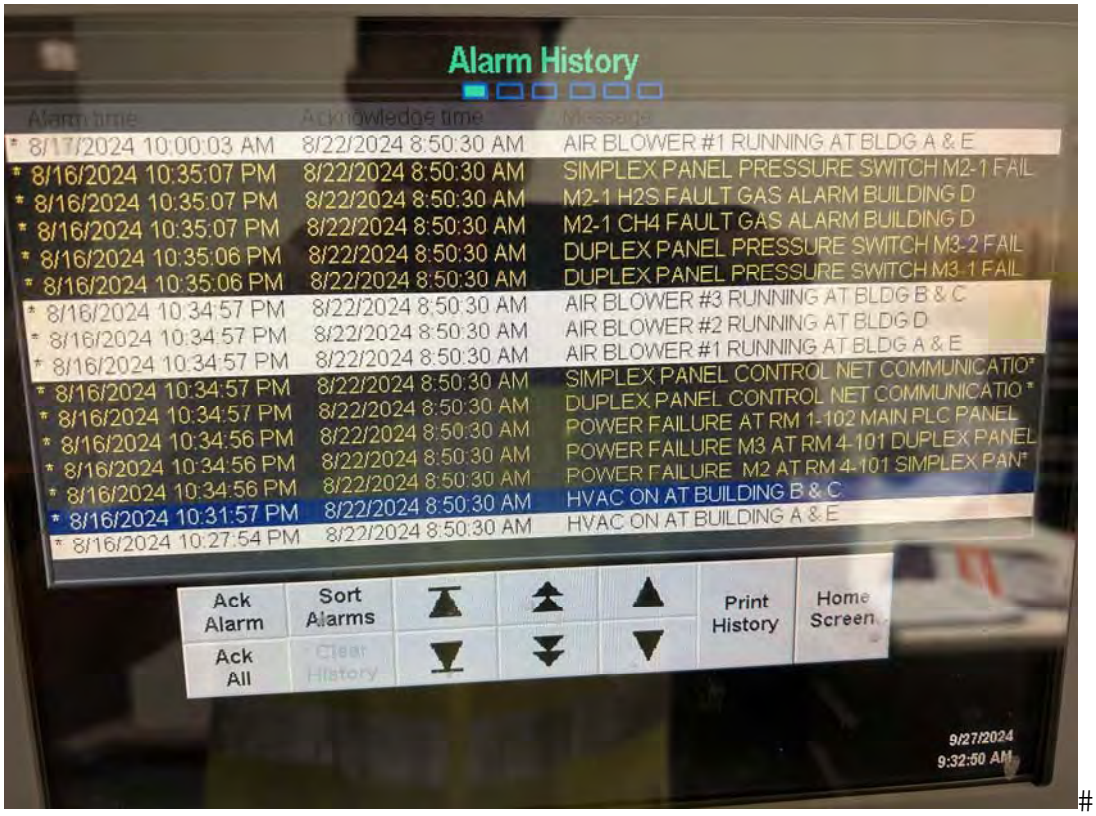
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* 8/16/2024 10:35:06 PM 8/22/2024 8:50:30 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 8/16/2024 10:35:06 PM 8/22/2024 8:50:30 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 8/16/2024 10:34:57 PM 8/22/2024 8:50:30 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 8/16/2024 10:34:57 PM 8/22/2024 8:50:30 AM AIR BLOWER #2 RUNNING AT BLDG D
* 8/16/2024 10:34:57 PM 8/22/2024 8:50:30 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 8/16/2024 10:34:57 PM 8/22/2024 8:50:30 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 8/16/2024 10:34:57 PM 8/22/2024 8:50:30 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 8/16/2024 10:34:56 PM 8/22/2024 8:50:30 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 8/16/2024 10:34:56 PM 8/22/2024 8:50:30 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 8/16/2024 10:34:56 PM 8/22/2024 8:50:30 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 8/16/2024 10:31:57 PM 8/22/2024 8:50:30 AM HVAC ON AT BUILDING B & C
* 8/16/2024 10:27:54 PM 8/22/2024 8:50:30 AM HVAC ON AT BUILDING A & E
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Sort Alarms
Print History
Home Screen
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Clear History
9/27/2024
9:32:50 AM
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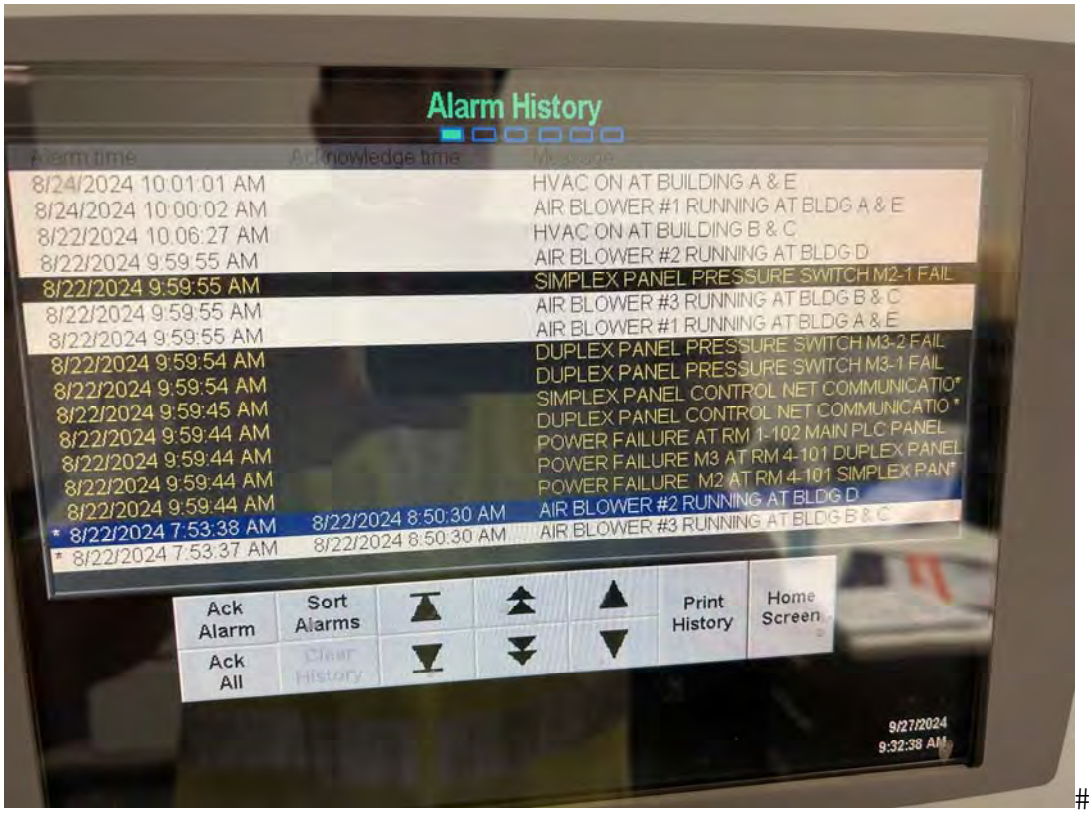
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HVAC ON AT BUILDING A & E
8/24/2024 10:00:02 AM
AIR BLOWER #1 RUNNING AT BLDG A & E
8/22/2024 10:06:27 AM
HVAC ON AT BUILDING B & C
8/22/2024 9:59:55 AM
AIR BLOWER #2 RUNNING AT BLDG D
8/22/2024 9:59:55 AM
SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
8/22/2024 9:59:55 AM
AIR BLOWER #3 RUNNING AT BLDG B & C
8/22/2024 9:59:55 AM
AIR BLOWER #1 RUNNING AT BLDG A & E
8/22/2024 9:59:54 AM
DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
8/22/2024 9:59:54 AM
DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
8/22/2024 9:59:45 AM
SIMPLEX PANEL CONTROL NET COMMUNICATIO*
8/22/2024 9:59:44 AM
DUPLEX PANEL CONTROL NET COMMUNICATIO *
8/22/2024 9:59:44 AM
POWER FAILURE AT RM 1-102 MAIN PLC PANEL
8/22/2024 9:59:44 AM
POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
8/22/2024 9:59:44 AM
POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
8/22/2024 9:59:44 AM
AIR BLOWER #2 RUNNING AT BLDG D
* 8/22/2024 7:53:38 AM
8/22/2024 8:50:30 AM
AIR BLOWER #3 RUNNING AT BLDG B & C
* 8/22/2024 7:53:37 AM
8/22/2024 8:50:30 AM
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:32:38 AM
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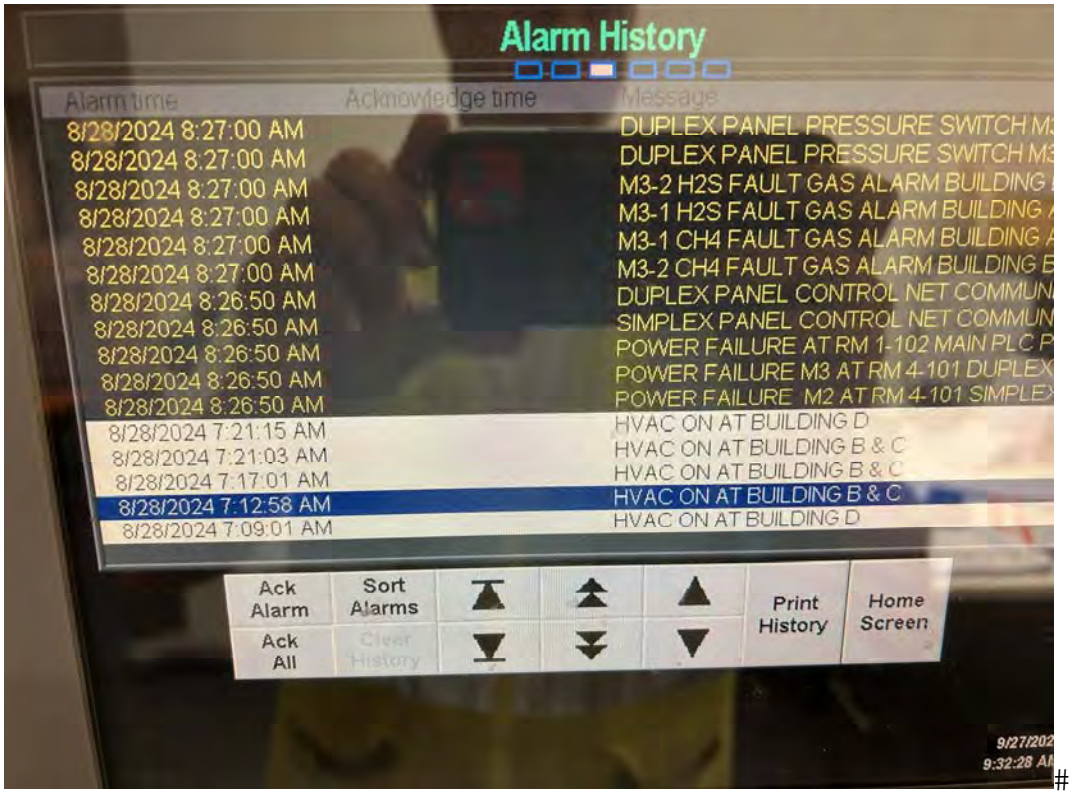
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8/28/2024 8:27:00 AM
DUPLEX PANEL PRESSURE SWITCH M3
8/28/2024 8:27:00 AM
M3-2 H2S FAULT GAS ALARM BUILDING
8/28/2024 8:27:00 AM
M3-1 H2S FAULT GAS ALARM BUILDING
8/28/2024 8:27:00 AM
M3-1 CH4 FAULT GAS ALARM BUILDING
8/28/2024 8:27:00 AM
M3-2 CH4 FAULT GAS ALARM BUILDING B
8/28/2024 8:26:50 AM
DUPLEX PANEL CONTROL NET COMMUN
8/28/2024 8:26:50 AM
SIMPLEX PANEL CONTROL NET COMMUN
8/28/2024 8:26:50 AM
POWER FAILURE AT RM 1-102 MAIN PLC P
8/28/2024 8:26:50 AM
POWER FAILURE M3 AT RM 4-101 DUPLEX
8/28/2024 8:26:50 AM
POWER FAILURE M2 AT RM 4-101 SIMPLEX
8/28/2024 7:21:15 AM
HVAC ON AT BUILDING D
8/28/2024 7:21:03 AM
HVAC ON AT BUILDING B & C
8/28/2024 7:17:01 AM
HVAC ON AT BUILDING B & C
8/28/2024 7:12:58 AM
HVAC ON AT BUILDING B & C
8/28/2024 7:09:01 AM
HVAC ON AT BUILDING D
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/202
9:32:28 AM
#

#


Alarm History
Alarm time
Acknowledge time
8/29/2024 5:27:18 AM HVAC ON AT BUILDING B & C
8/29/2024 5:25:13 AM AIR BLOWER #2 RUNNING AT BLDG D
8/29/2024 5:25:13 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
8/29/2024 5:25:12 AM AIR BLOWER #3 RUNNING AT BLDG B & C
8/29/2024 5:25:12 AM AIR BLOWER #1 RUNNING AT BLDG A & E
8/29/2024 5:25:12 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
8/29/2024 5:25:12 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
8/29/2024 5:25:03 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
8/29/2024 5:25:02 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
8/29/2024 5:25:02 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
8/29/2024 5:25:02 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
8/29/2024 5:25:02 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
8/28/2024 8:27:01 AM AIR BLOWER #3 RUNNING AT BLDG B & C
8/28/2024 8:27:01 AM AIR BLOWER #2 RUNNING AT BLDG D
8/28/2024 8:27:01 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
8/28/2024 8:27:00 AM AIR BLOWER #1 RUNNING AT BLDG A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:32:18 AM
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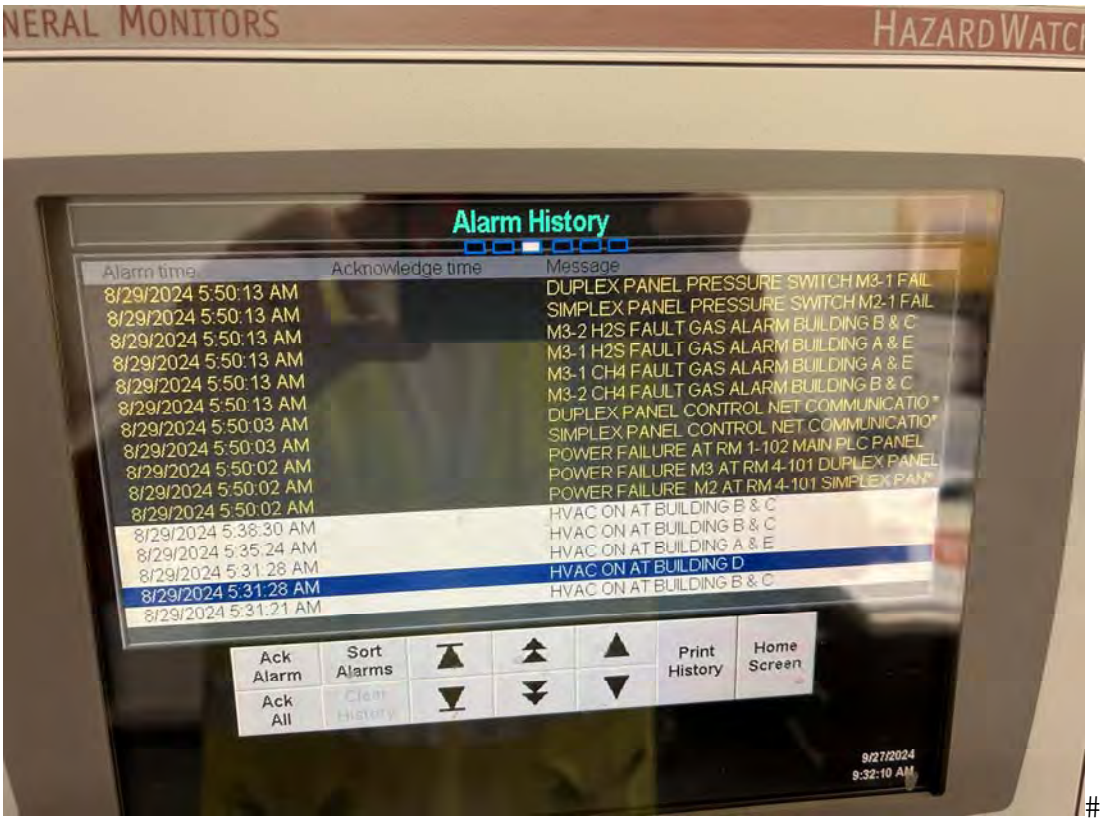
NERAL MONITORS
HAZARDWATCH
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Alarm time
Acknowledge time
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8/29/2024 5:50:13 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
8/29/2024 5:50:13 AM M3-2 H2S FAULT GAS ALARM BUILDING B & C
8/29/2024 5:50:13 AM M3-1 H2S FAULT GAS ALARM BUILDING A & E
8/29/2024 5:50:13 AM M3-1 CH4 FAULT GAS ALARM BUILDING A & E
8/29/2024 5:50:13 AM M3-2 CH4 FAULT GAS ALARM BUILDING B & C
8/29/2024 5:50:03 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
8/29/2024 5:50:03 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
8/29/2024 5:50:02 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
8/29/2024 5:50:02 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
8/29/2024 5:50:02 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
8/29/2024 5:38:30 AM HVAC ON AT BUILDING B & C
8/29/2024 5:35:24 AM HVAC ON AT BUILDING B & C
8/29/2024 5:31:28 AM HVAC ON AT BUILDING A & E
8/29/2024 5:31:28 AM HVAC ON AT BUILDING D
8/29/2024 5:31:21 AM HVAC ON AT BUILDING B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:32:10 AM
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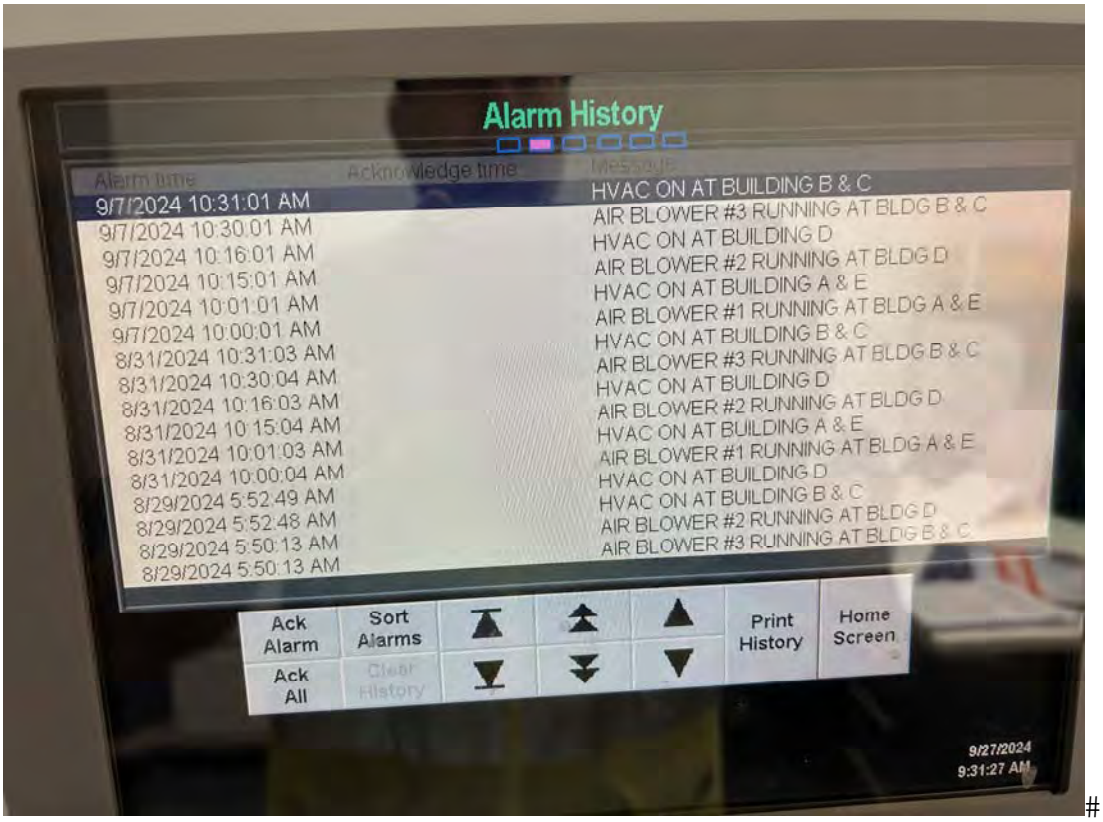
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Alarm time
Acknowledge time
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9/7/2024 10:30:01 AM AIR BLOWER #3 RUNNING AT BLDG B & C
9/7/2024 10:16:01 AM HVAC ON AT BUILDING D
9/7/2024 10:15:01 AM AIR BLOWER #2 RUNNING AT BLDG D
9/7/2024 10:01:01 AM HVAC ON AT BUILDING A & E
9/7/2024 10:00:01 AM AIR BLOWER #1 RUNNING AT BLDG A & E
8/31/2024 10:31:03 AM HVAC ON AT BUILDING B & C
8/31/2024 10:30:04 AM AIR BLOWER #3 RUNNING AT BLDG B & C
8/31/2024 10:16:03 AM HVAC ON AT BUILDING D
8/31/2024 10:15:04 AM AIR BLOWER #2 RUNNING AT BLDG D
8/31/2024 10:01:03 AM HVAC ON AT BUILDING A & E
8/31/2024 10:00:04 AM AIR BLOWER #1 RUNNING AT BLDG A & E
8/29/2024 5:52:49 AM HVAC ON AT BUILDING D
8/29/2024 5:52:48 AM HVAC ON AT BUILDING B & C
8/29/2024 5:50:13 AM AIR BLOWER #2 RUNNING AT BLDG D
8/29/2024 5:50:13 AM AIR BLOWER #3 RUNNING AT BLDG B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
9/27/2024
9:31:27 AM
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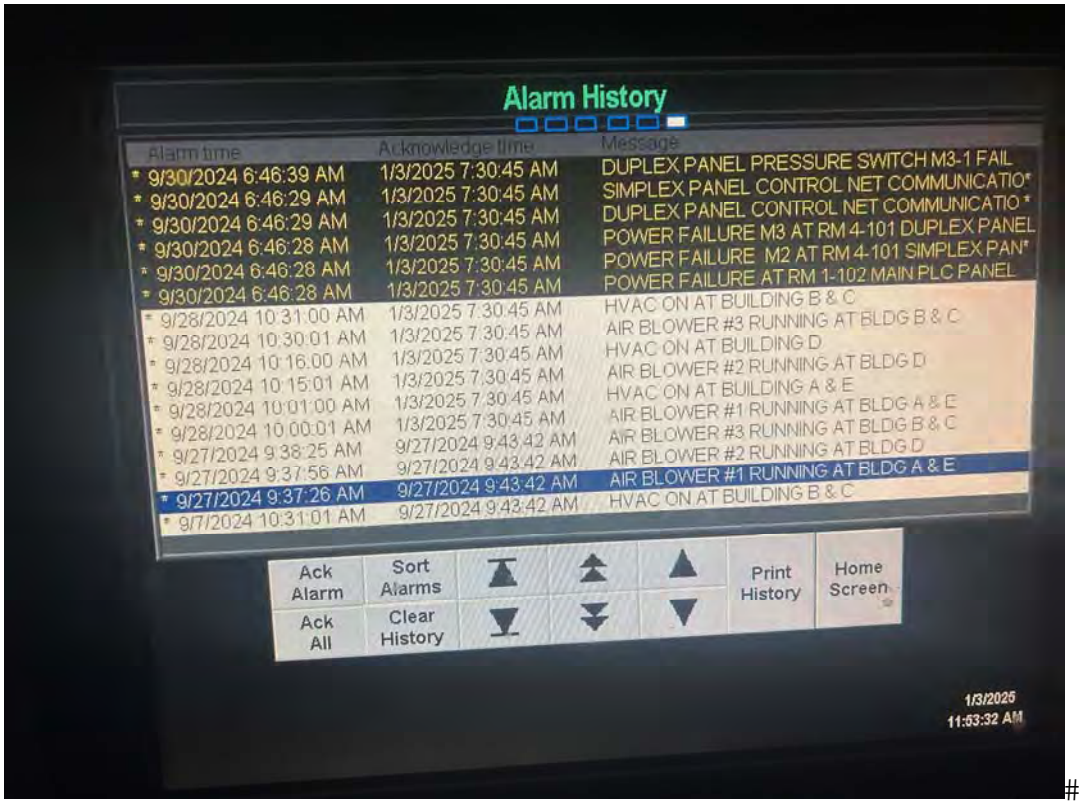
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* 9/30/2024 6:46:29 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 9/30/2024 6:46:29 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 9/30/2024 6:46:28 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 9/30/2024 6:46:28 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 9/30/2024 6:46:28 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 9/28/2024 10:31:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 9/28/2024 10:30:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 9/28/2024 10:16:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
* 9/28/2024 10:15:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 9/28/2024 10:01:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
* 9/28/2024 10:00:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 9/27/2024 9:38:25 AM 9/27/2024 9:43:42 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 9/27/2024 9:37:56 AM 9/27/2024 9:43:42 AM AIR BLOWER #2 RUNNING AT BLDG D
* 9/27/2024 9:37:26 AM 9/27/2024 9:43:42 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 9/7/2024 10:31:01 AM 9/27/2024 9:43:42 AM HVAC ON AT BUILDING B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:53:32 AM
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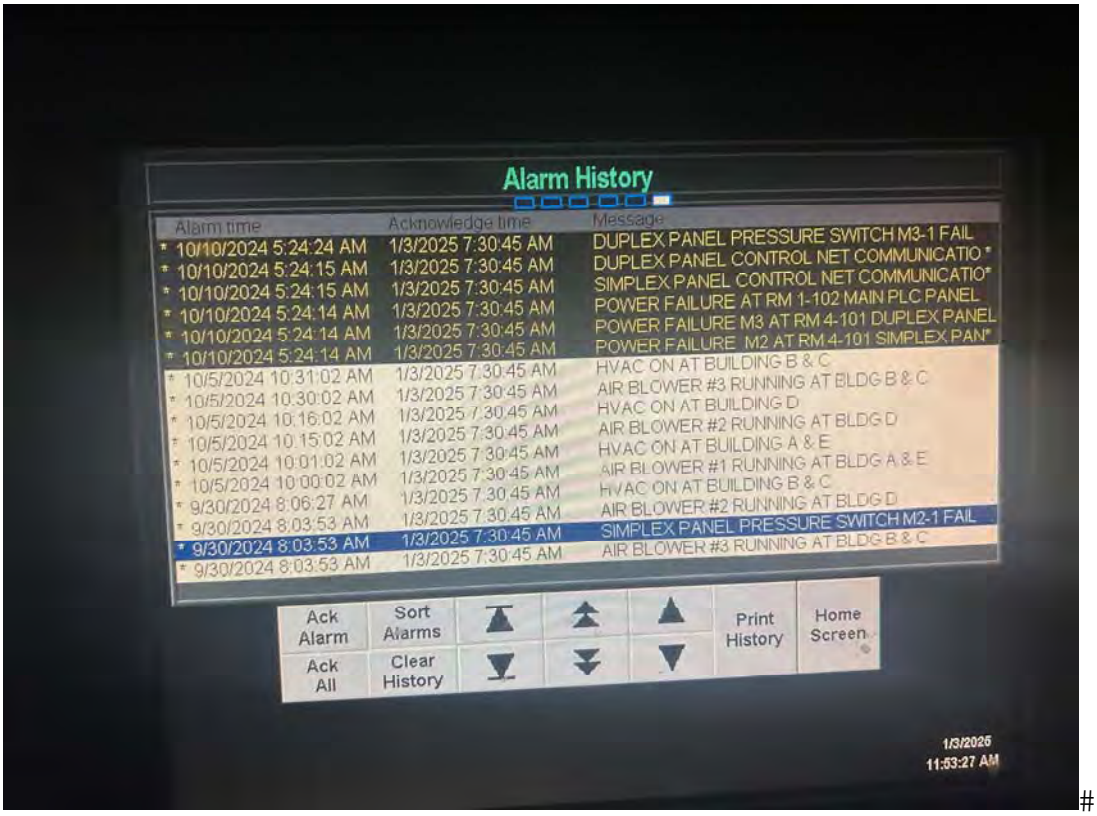
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Alarm time
Acknowledge time
Message
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* 10/10/2024 5:24:15 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 10/10/2024 5:24:14 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 10/10/2024 5:24:14 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 10/10/2024 5:24:14 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 10/5/2024 10:31:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 10/5/2024 10:30:02 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 10/5/2024 10:16:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
* 10/5/2024 10:15:02 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 10/5/2024 10:01:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
* 10/5/2024 10:00:02 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 9/30/2024 8:06:27 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 9/30/2024 8:03:53 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 9/30/2024 8:03:53 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 9/30/2024 8:03:53 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:53:27 AM
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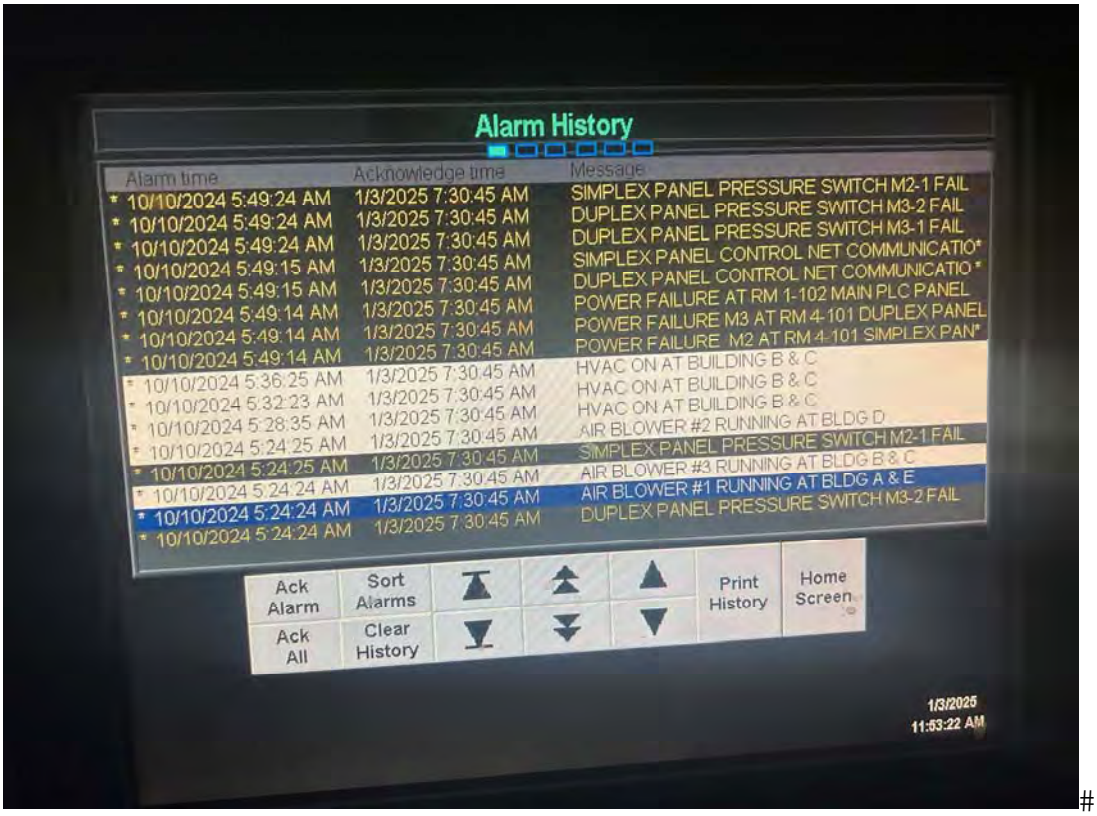
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* 10/10/2024 5:49:24 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 10/10/2024 5:49:15 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 10/10/2024 5:49:15 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 10/10/2024 5:49:14 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 10/10/2024 5:49:14 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 10/10/2024 5:49:14 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 10/10/2024 5:36:25 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 10/10/2024 5:32:23 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 10/10/2024 5:28:35 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 10/10/2024 5:24:25 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 10/10/2024 5:24:25 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 10/10/2024 5:24:24 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 10/10/2024 5:24:24 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 10/10/2024 5:24:24 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:53:22 AM
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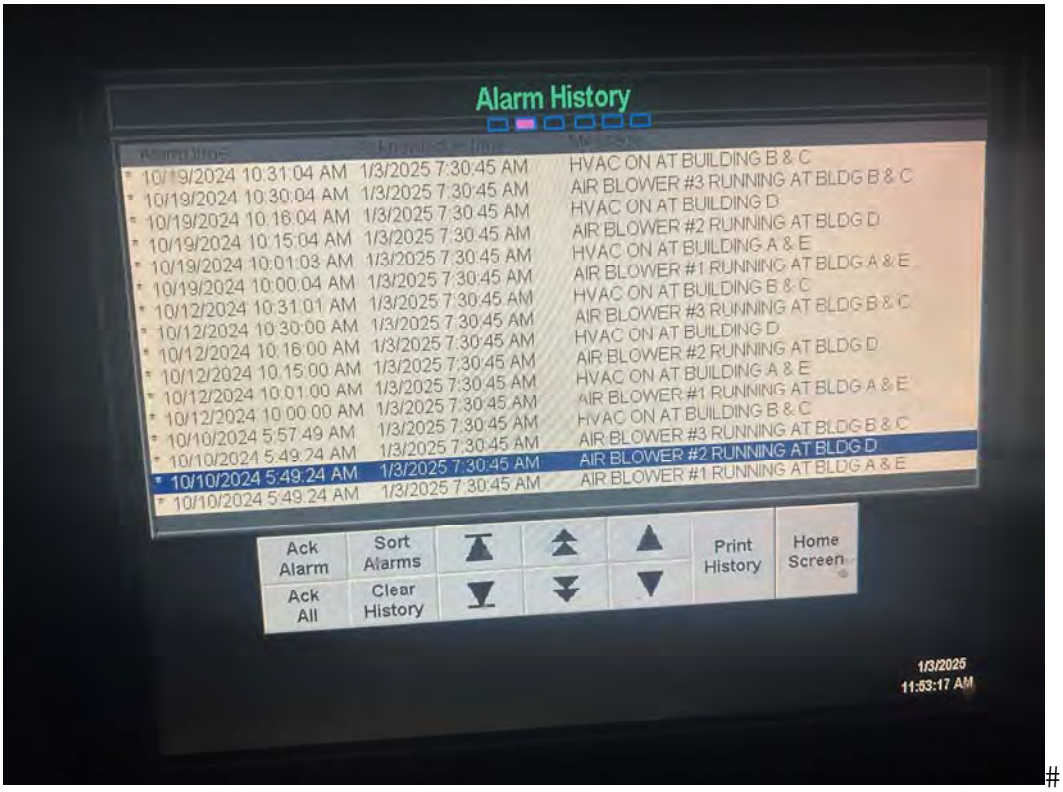
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Acknowledge time
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10/19/2024 10:30:04 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
10/19/2024 10:16:04 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
10/19/2024 10:15:04 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
10/19/2024 10:01:03 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
10/19/2024 10:00:04 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
10/12/2024 10:31:01 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
10/12/2024 10:30:00 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
10/12/2024 10:16:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
10/12/2024 10:15:00 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
10/12/2024 10:01:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
10/12/2024 10:00:00 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
10/10/2024 5:57:49 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
10/10/2024 5:49:24 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
10/10/2024 5:49:24 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
10/10/2024 5:49:24 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:53:17 AM
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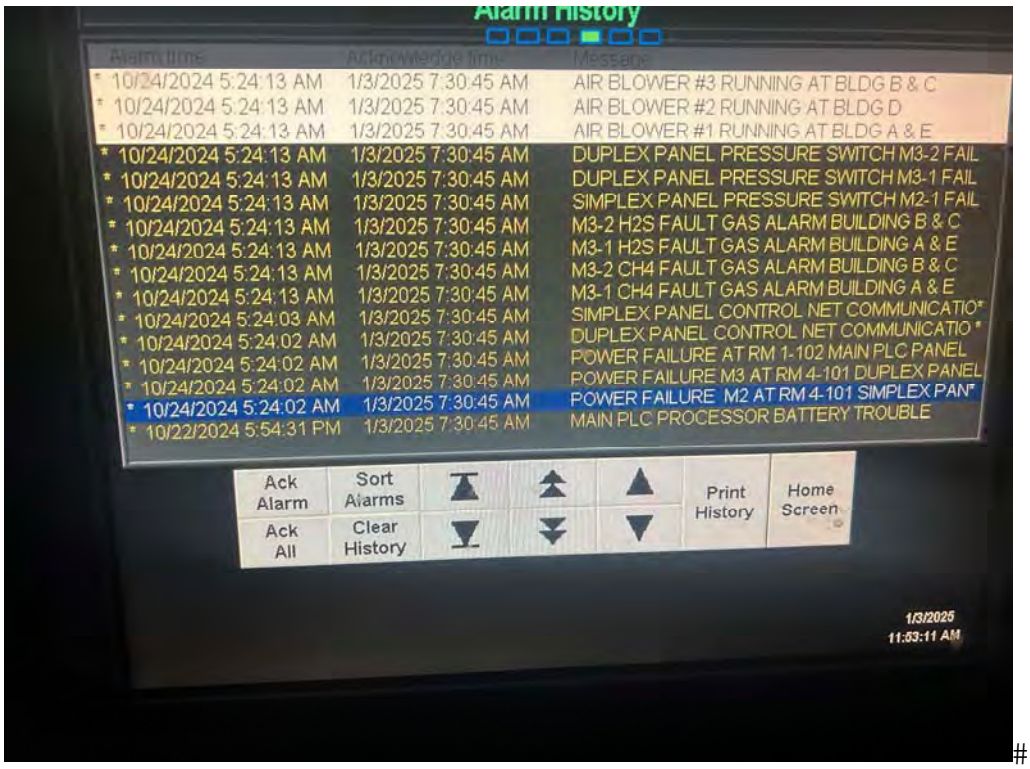
Alarm History
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Acknowledge time
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10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM M3-2 H2S FAULT GAS ALARM BUILDING B & C
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM M3-1 H2S FAULT GAS ALARM BUILDING A & E
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM M3-2 CH4 FAULT GAS ALARM BUILDING B & C
10/24/2024 5:24:13 AM 1/3/2025 7:30:45 AM M3-1 CH4 FAULT GAS ALARM BUILDING A & E
10/24/2024 5:24:03 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
10/24/2024 5:24:02 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
10/24/2024 5:24:02 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
10/24/2024 5:24:02 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
10/24/2024 5:24:02 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
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Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:03:11 AM
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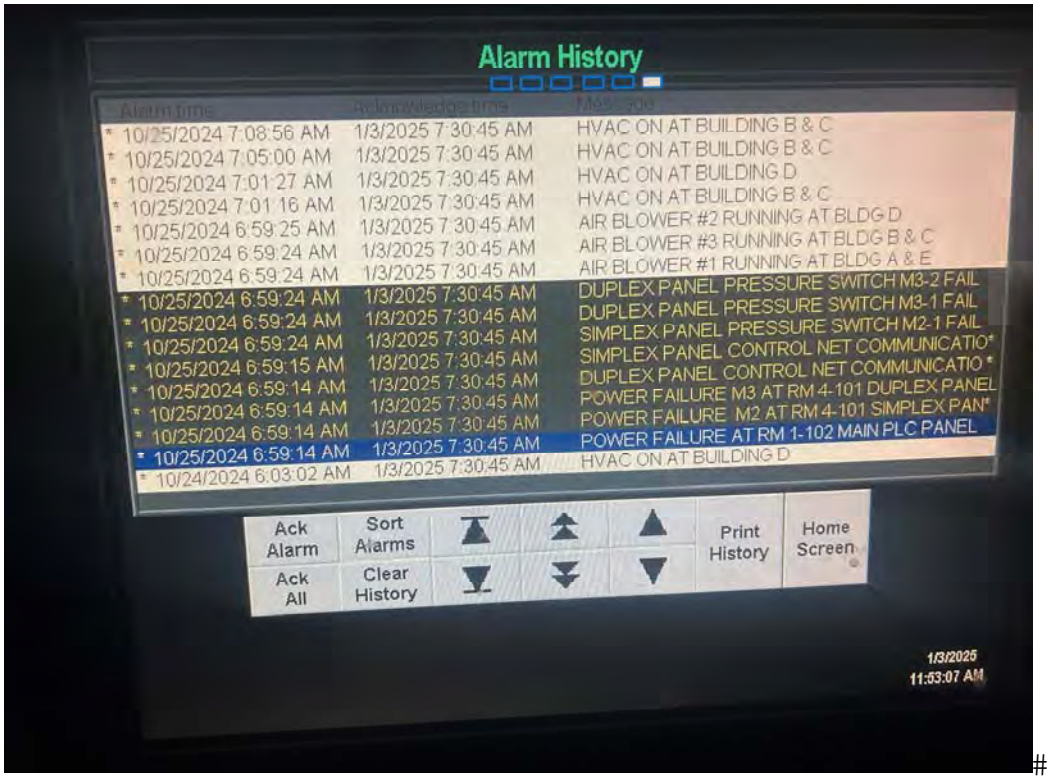
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Acknowledge time
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10/25/2024 7:05:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
10/25/2024 7:01:27 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
10/25/2024 7:01:16 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
10/25/2024 6:59:25 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
10/25/2024 6:59:24 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
10/25/2024 6:59:24 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
10/25/2024 6:59:24 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
10/25/2024 6:59:24 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
10/25/2024 6:59:24 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
10/25/2024 6:59:15 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
10/25/2024 6:59:14 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
10/25/2024 6:59:14 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
10/25/2024 6:59:14 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
10/25/2024 6:59:14 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
10/24/2024 6:03:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
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Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:53:07 AM
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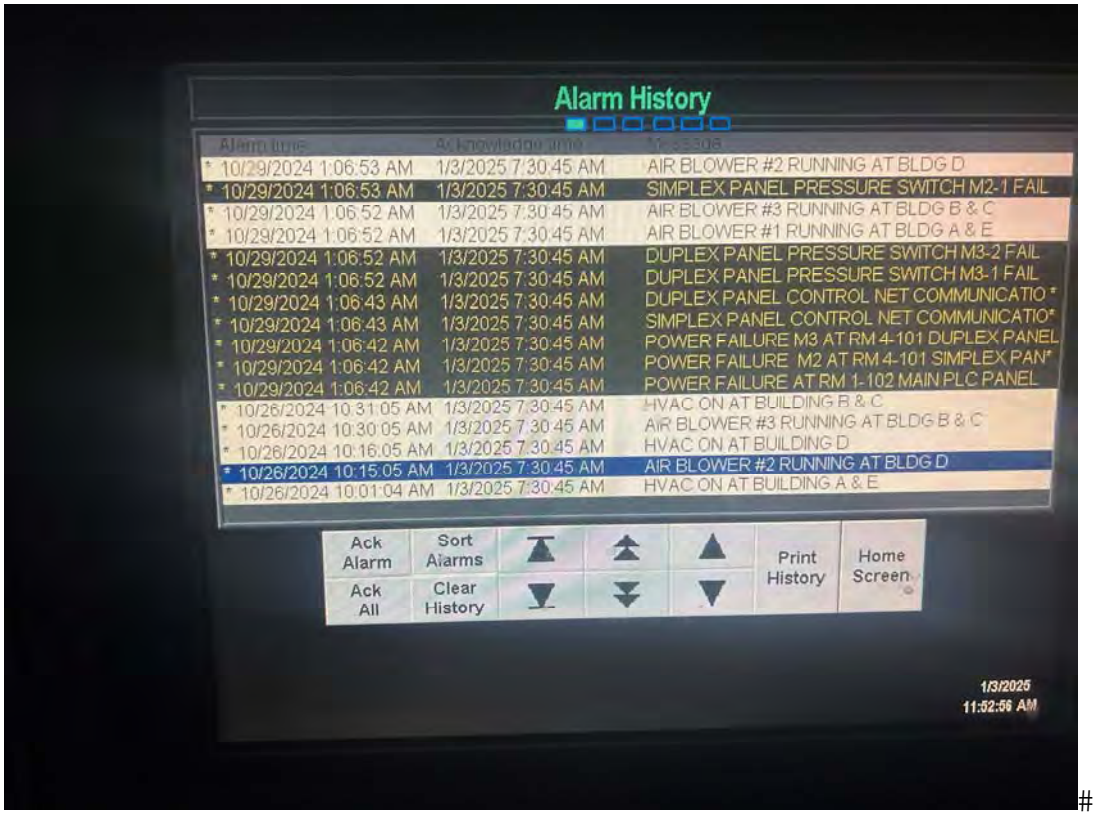
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10/29/2024 1:06:52 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
10/29/2024 1:06:52 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
10/29/2024 1:06:52 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
10/29/2024 1:06:52 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
10/29/2024 1:06:43 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
10/29/2024 1:06:43 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
10/29/2024 1:06:42 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
10/29/2024 1:06:42 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
10/29/2024 1:06:42 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
10/26/2024 10:31:05 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
10/26/2024 10:30:05 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
10/26/2024 10:16:05 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
10/26/2024 10:15:05 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
10/26/2024 10:01:04 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
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Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:52:56 AM
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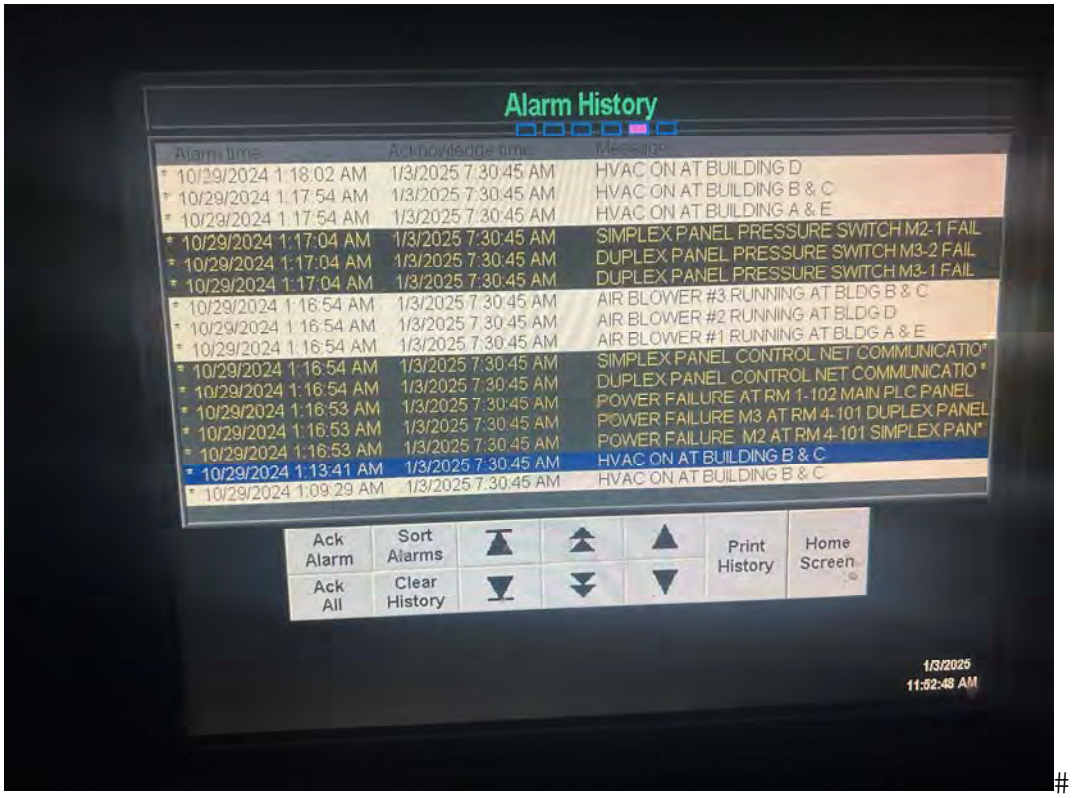
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10/29/2024 1:17:54 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
10/29/2024 1:17:04 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
10/29/2024 1:17:04 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
10/29/2024 1:17:04 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
10/29/2024 1:16:54 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
10/29/2024 1:16:54 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
10/29/2024 1:16:54 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
10/29/2024 1:16:54 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
10/29/2024 1:16:54 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
10/29/2024 1:16:53 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
10/29/2024 1:16:53 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
10/29/2024 1:16:53 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
10/29/2024 1:13:41 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
10/29/2024 1:09:29 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
1/3/2025
11:52:48 AM
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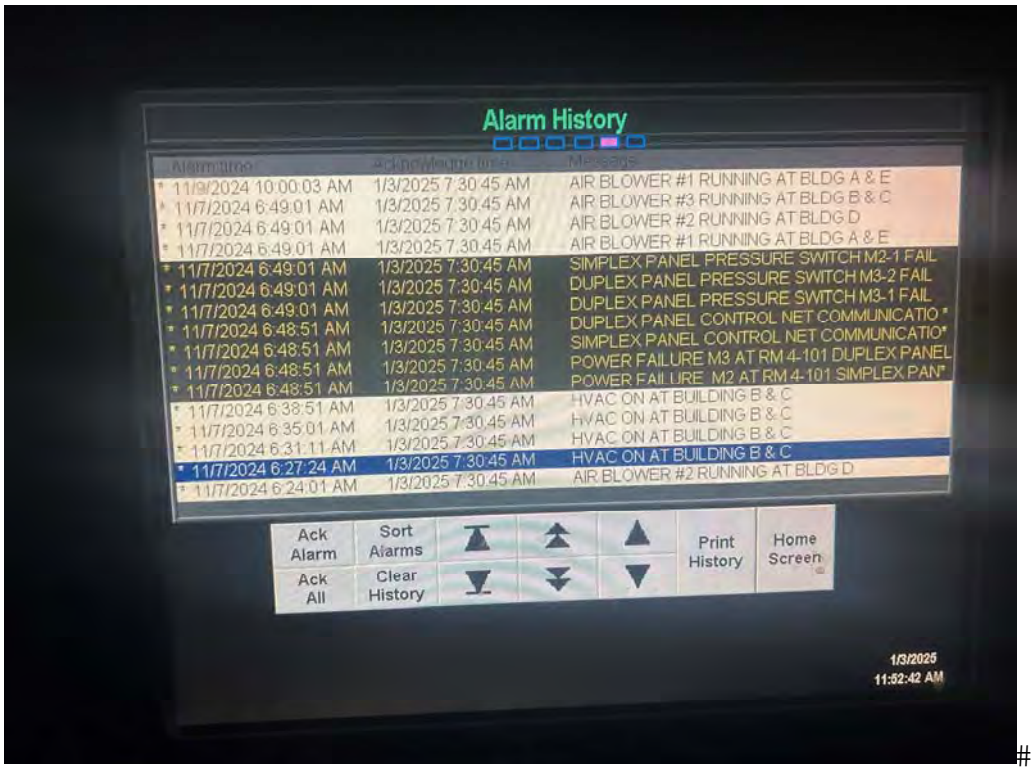
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Acknowledge time
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11/7/2024 6:49:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
11/7/2024 6:49:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
11/7/2024 6:49:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
11/7/2024 6:49:01 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
11/7/2024 6:49:01 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
11/7/2024 6:49:01 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
11/7/2024 6:48:51 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
11/7/2024 6:48:51 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
11/7/2024 6:48:51 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
11/7/2024 6:48:51 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
11/7/2024 6:38:51 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
11/7/2024 6:35:01 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
11/7/2024 6:31:11 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
11/7/2024 6:27:24 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
11/7/2024 6:24:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
1/3/2025
11:52:42 AM
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Alarm History
Alarm time
Acknowledge time
Message
* 11/21/2024 6:23:40 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 11/21/2024 6:23:40 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 11/21/2024 6:23:40 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 11/21/2024 6:23:40 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 11/21/2024 6:23:40 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 11/16/2024 10:31:01 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 11/16/2024 10:30:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 11/16/2024 10:16:01 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
* 11/16/2024 10:15:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 11/16/2024 10:01:01 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
* 11/16/2024 10:00:01 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 11/9/2024 10:31:03 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 11/9/2024 10:30:03 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 11/9/2024 10:16:03 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
* 11/9/2024 10:15:03 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 11/9/2024 10:01:03 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:52:34 AM
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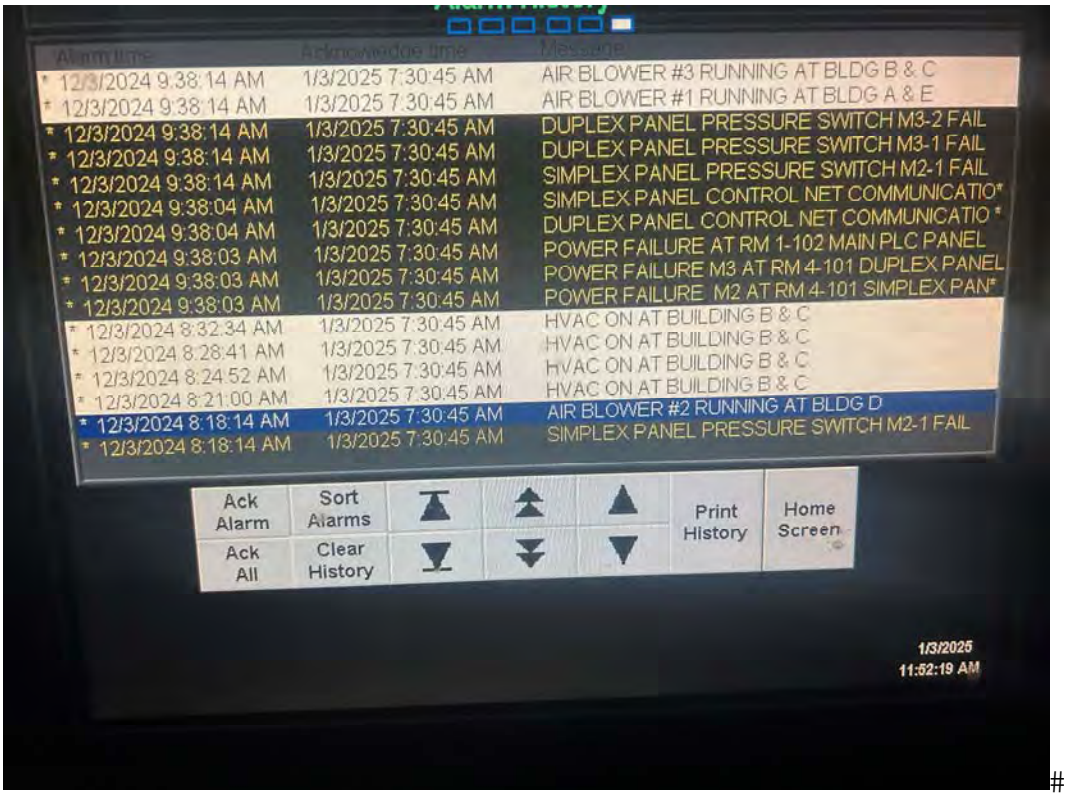
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Message
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* 12/3/2024 9:38:14 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 12/3/2024 9:38:14 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 12/3/2024 9:38:14 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 12/3/2024 9:38:04 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 12/3/2024 9:38:04 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 12/3/2024 9:38:03 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 12/3/2024 9:38:03 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 12/3/2024 9:38:03 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 12/3/2024 8:32:34 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/3/2024 8:28:41 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/3/2024 8:24:52 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/3/2024 8:21:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/3/2024 8:18:14 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 12/3/2024 8:18:14 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:52:19 AM
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Alarm History
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Acknowledge time
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* 12/7/2024 10:15:03 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 12/7/2024 10:01:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
* 12/7/2024 10:00:03 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 12/5/2024 7:01:00 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/5/2024 6:48:39 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 12/5/2024 6:48:39 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 12/5/2024 6:48:39 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 12/5/2024 6:48:39 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 12/5/2024 6:48:39 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 12/5/2024 6:48:39 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 12/5/2024 6:48:29 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 12/5/2024 6:48:29 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 12/5/2024 6:48:28 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 12/5/2024 6:48:28 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 12/5/2024 6:48:28 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
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Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:52:11 AM
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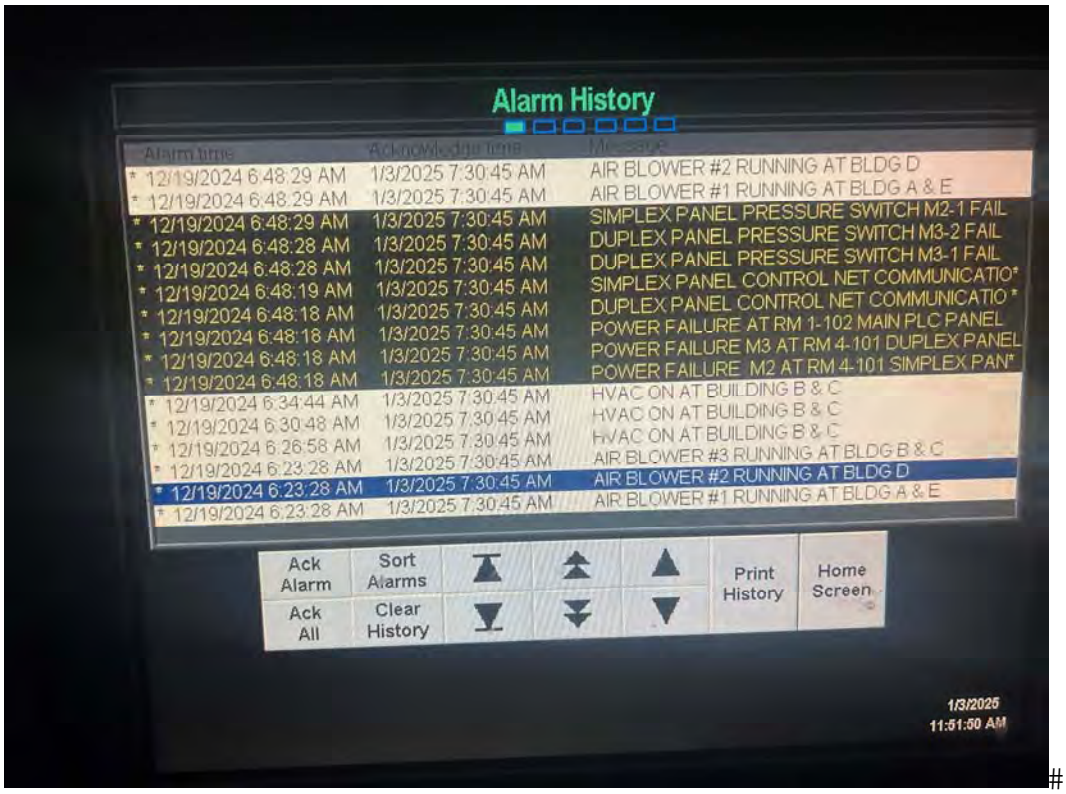
Alarm History
Alarm time
Acknowledge time
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* 12/19/2024 6:48:29 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 12/19/2024 6:48:29 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 12/19/2024 6:48:28 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 12/19/2024 6:48:28 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 12/19/2024 6:48:19 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 12/19/2024 6:48:18 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
* 12/19/2024 6:48:18 AM 1/3/2025 7:30:45 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
* 12/19/2024 6:48:18 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 12/19/2024 6:48:18 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
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* 12/19/2024 6:30:48 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/19/2024 6:26:58 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/19/2024 6:23:28 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 12/19/2024 6:23:28 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 12/19/2024 6:23:28 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:51:50 AM
#

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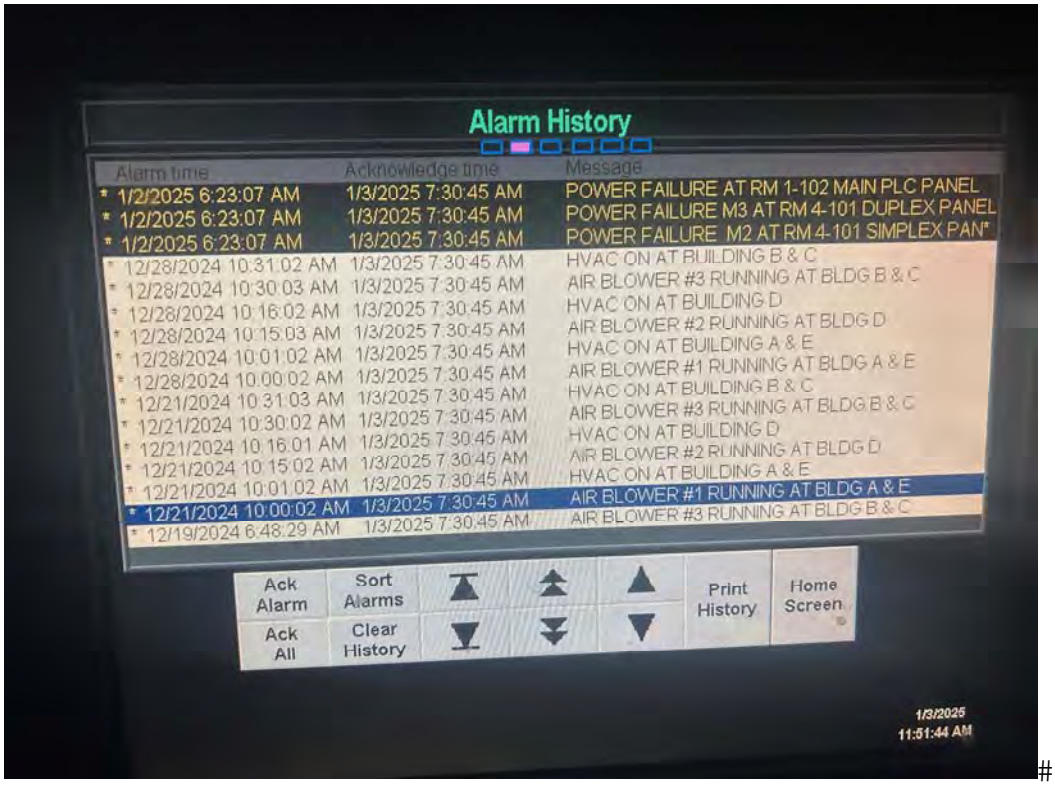
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Alarm time
Acknowledge time
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* 1/2/2025 6:23:07 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 1/2/2025 6:23:07 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 12/28/2024 10:31:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/28/2024 10:30:03 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 12/28/2024 10:16:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
* 12/28/2024 10:15:03 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 12/28/2024 10:01:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
* 12/28/2024 10:00:02 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 12/21/2024 10:31:03 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 12/21/2024 10:30:02 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 12/21/2024 10:16:01 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
* 12/21/2024 10:15:02 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 12/21/2024 10:01:02 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
* 12/21/2024 10:00:02 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 12/19/2024 6:48:29 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:51:44 AM
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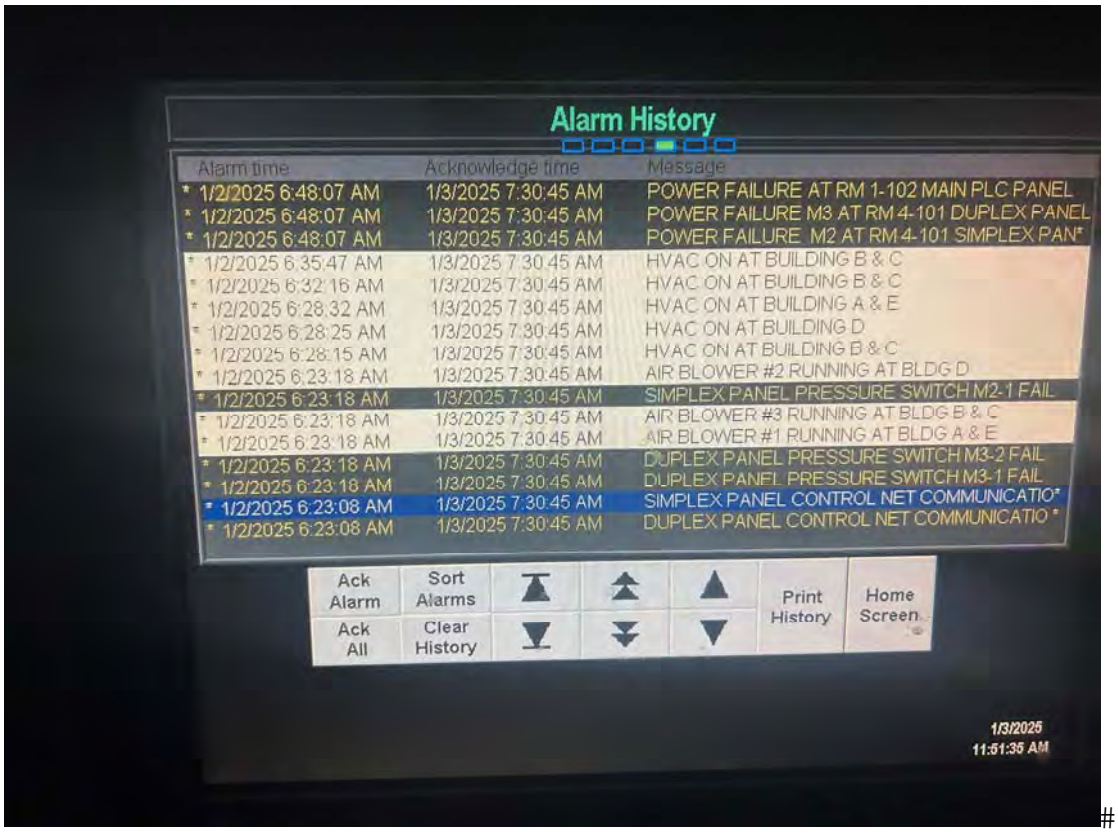
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Alarm time
Acknowledge time
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* 1/2/2025 6:48:07 AM 1/3/2025 7:30:45 AM POWER FAILURE M3 AT RM 4-101 DUPLEX PANEL
* 1/2/2025 6:48:07 AM 1/3/2025 7:30:45 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 1/2/2025 6:35:47 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 1/2/2025 6:32:16 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 1/2/2025 6:28:32 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING A & E
* 1/2/2025 6:28:25 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING D
* 1/2/2025 6:28:15 AM 1/3/2025 7:30:45 AM HVAC ON AT BUILDING B & C
* 1/2/2025 6:23:18 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/2/2025 6:23:18 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 1/2/2025 6:23:18 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/2/2025 6:23:18 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/2/2025 6:23:18 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-2 FAIL
* 1/2/2025 6:23:18 AM 1/3/2025 7:30:45 AM DUPLEX PANEL PRESSURE SWITCH M3-1 FAIL
* 1/2/2025 6:23:08 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
* 1/2/2025 6:23:08 AM 1/3/2025 7:30:45 AM DUPLEX PANEL CONTROL NET COMMUNICATIO *
Ack Alarm
Sort Alarms
Print History
Home Screen
Ack All
Clear History
1/3/2025
11:51:35 AM
#


Alarm History
Alarm time
Acknowledge time
Message
* 1/3/2025 10:14:49 AM 1/3/2025 10:16:26 AM M2-1 H2S IN CALIBRATION AT BUILDING D
* 1/3/2025 10:07:28 AM 1/3/2025 10:16:26 AM M3-2 CH4 IN CALIBRATION AT BUILDING B & C
* 1/3/2025 10:05:35 AM 1/3/2025 10:16:26 AM M3-1 CH4 IN CALIBRATION AT BUILDING A & E
* 1/3/2025 10:03:11 AM 1/3/2025 10:16:26 AM M3-2 H2S IN CALIBRATION AT BUILDING B & C
* 1/3/2025 10:01:29 AM 1/3/2025 10:16:26 AM M3-1 H2S IN CALIBRATION AT BUILDING A & E
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* 1/2/2025 11:59:59 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/2/2025 11:27:36 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
* 1/2/2025 6:48:18 AM 1/3/2025 7:30:45 AM AIR BLOWER #2 RUNNING AT BLDG D
* 1/2/2025 6:48:18 AM 1/3/2025 7:30:45 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 1/2/2025 6:48:18 AM 1/3/2025 7:30:45 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/2/2025 6:48:18 AM 1/3/2025 7:30:45 AM AIR BLOWER #1 RUNNING AT BLDG A & E
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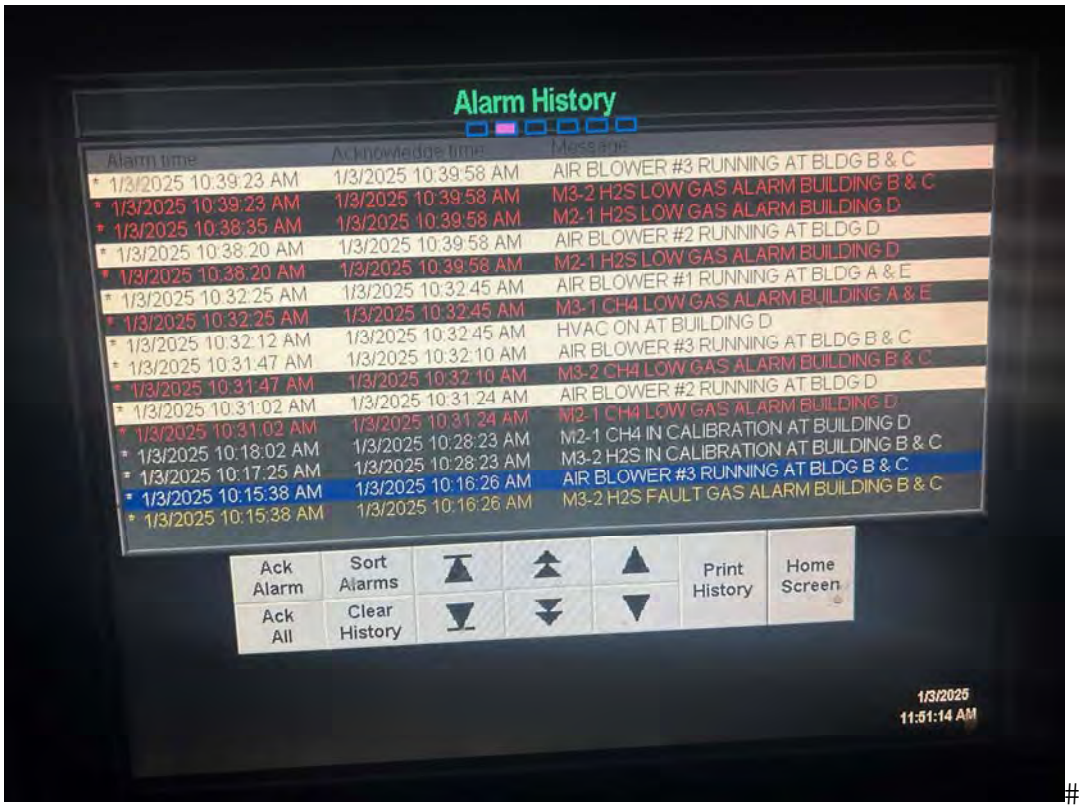
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* 1/3/2025 10:32:12 AM 1/3/2025 10:32:45 AM HVAC ON AT BUILDING D
* 1/3/2025 10:31:47 AM 1/3/2025 10:32:10 AM AIR BLOWER #3 RUNNING AT BLDG B & C
* 1/3/2025 10:31:47 AM 1/3/2025 10:32:10 AM M3-2 CH4 LOW GAS ALARM BUILDING B & C
* 1/3/2025 10:31:02 AM 1/3/2025 10:31:24 AM AIR BLOWER #2 RUNNING AT BLDG D
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* 1/3/2025 10:17:25 AM 1/3/2025 10:28:23 AM M3-2 H2S IN CALIBRATION AT BUILDING B & C
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* 1/3/2025 10:15:38 AM 1/3/2025 10:16:26 AM M3-2 H2S FAULT GAS ALARM BUILDING B & C
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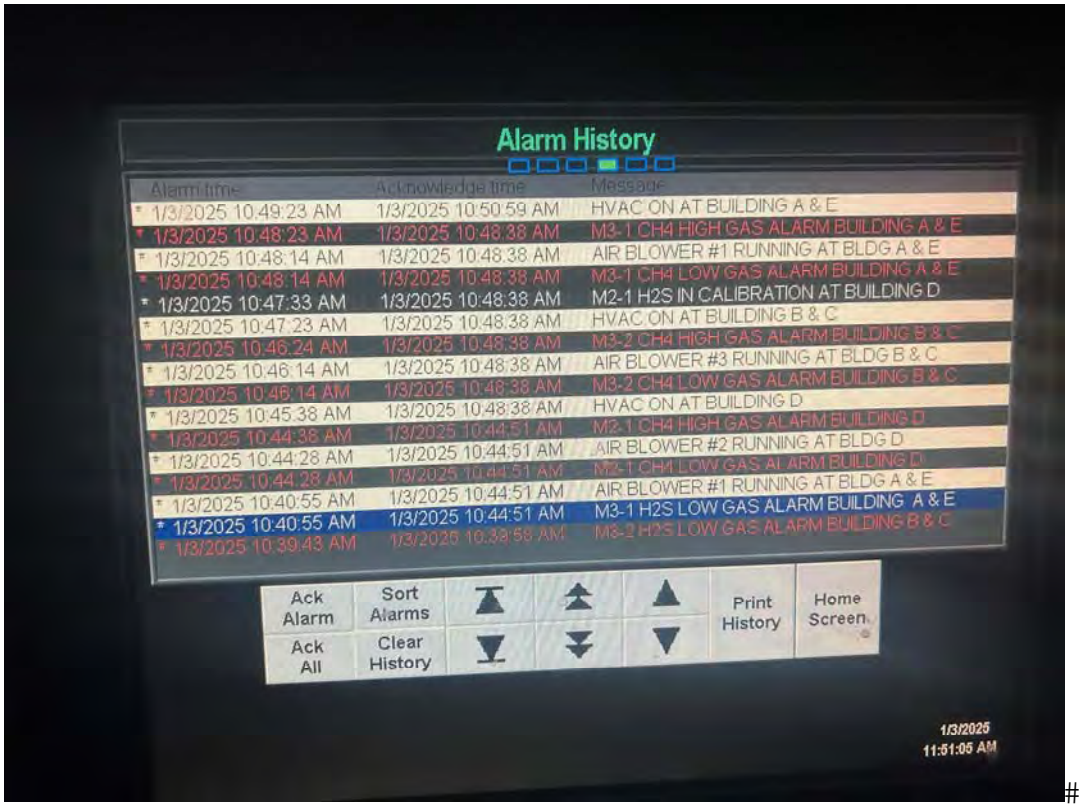
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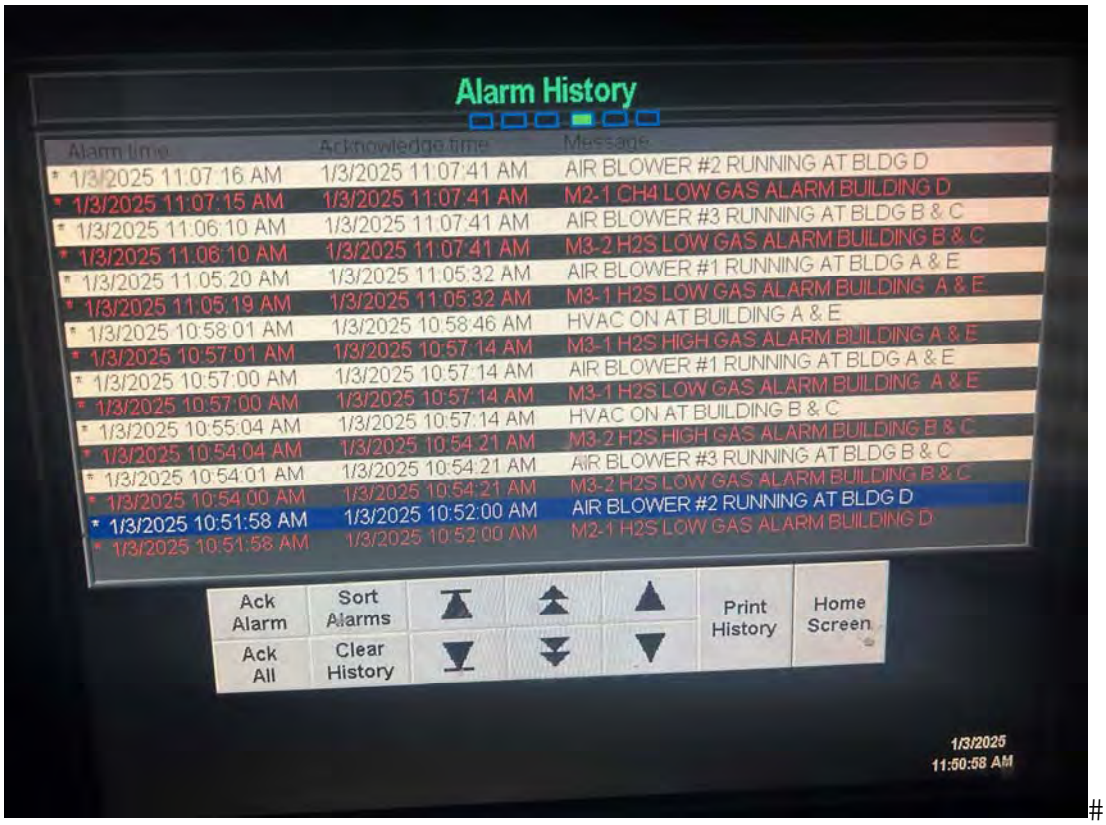
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1/3/2025 11:06:10 AM 1/3/2025 11:07:41 AM AIR BLOWER #3 RUNNING AT BLDG B & C
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1/3/2025 11:05:20 AM 1/3/2025 11:05:32 AM AIR BLOWER #1 RUNNING AT BLDG A & E
1/3/2025 11:05:19 AM 1/3/2025 11:05:32 AM M3-1 H2S LOW GAS ALARM BUILDING A & E
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1/3/2025 10:54:00 AM 1/3/2025 10:54:21 AM M3-2 H2S LOW GAS ALARM BUILDING B & C
1/3/2025 10:51:58 AM 1/3/2025 10:52:00 AM AIR BLOWER #2 RUNNING AT BLDG D
1/3/2025 10:51:58 AM 1/3/2025 10:52:00 AM M2-1 H2S LOW GAS ALARM BUILDING D
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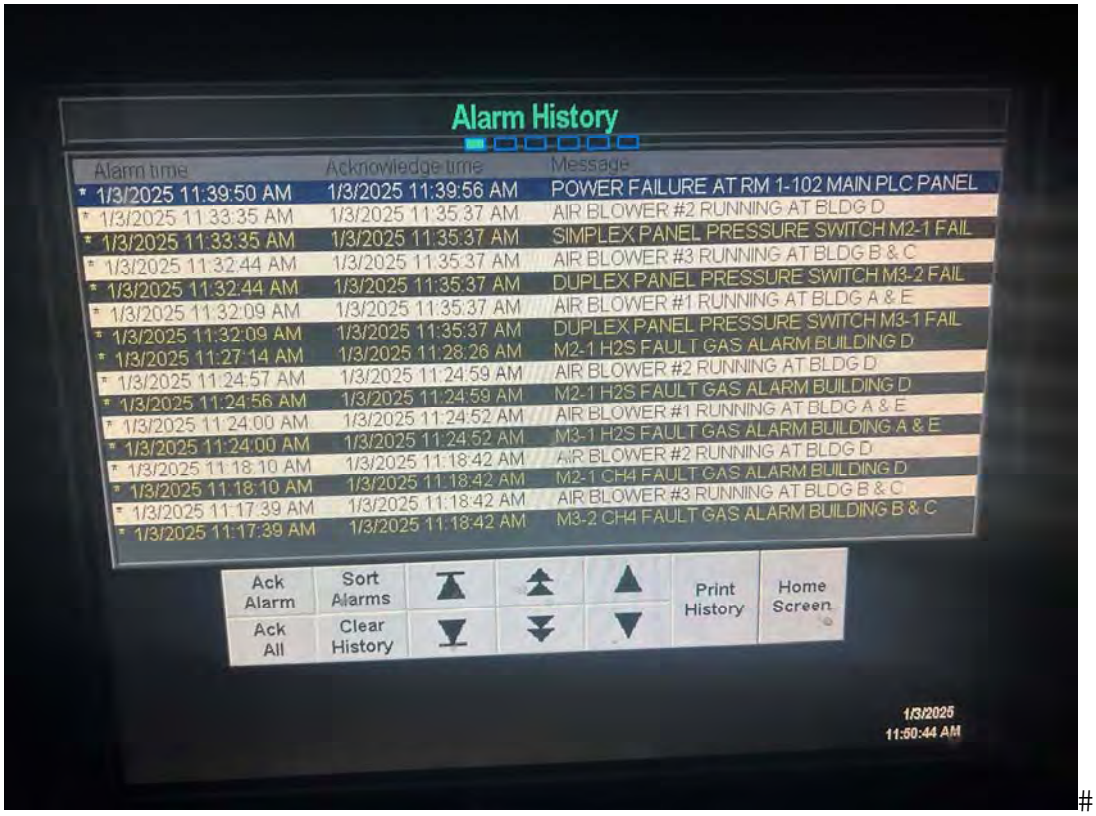
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* 1/3/2025 11:33:35 AM 1/3/2025 11:35:37 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
* 1/3/2025 11:32:44 AM 1/3/2025 11:35:37 AM AIR BLOWER #3 RUNNING AT BLDG B & C
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* 1/3/2025 11:32:09 AM 1/3/2025 11:35:37 AM AIR BLOWER #1 RUNNING AT BLDG A & E
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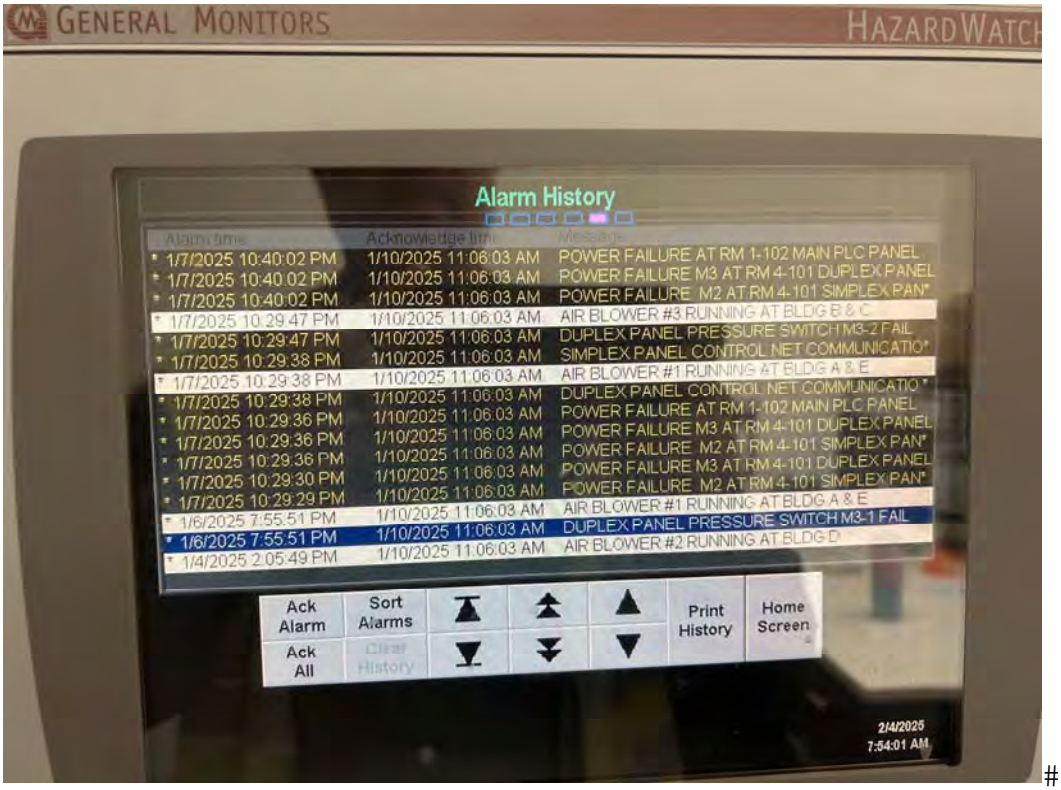
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* 1/7/2025 10:40:02 PM 1/10/2025 11:06:03 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
* 1/7/2025 10:29:47 PM 1/10/2025 11:06:03 AM AIR BLOWER #3 RUNNING AT BLDG B & C
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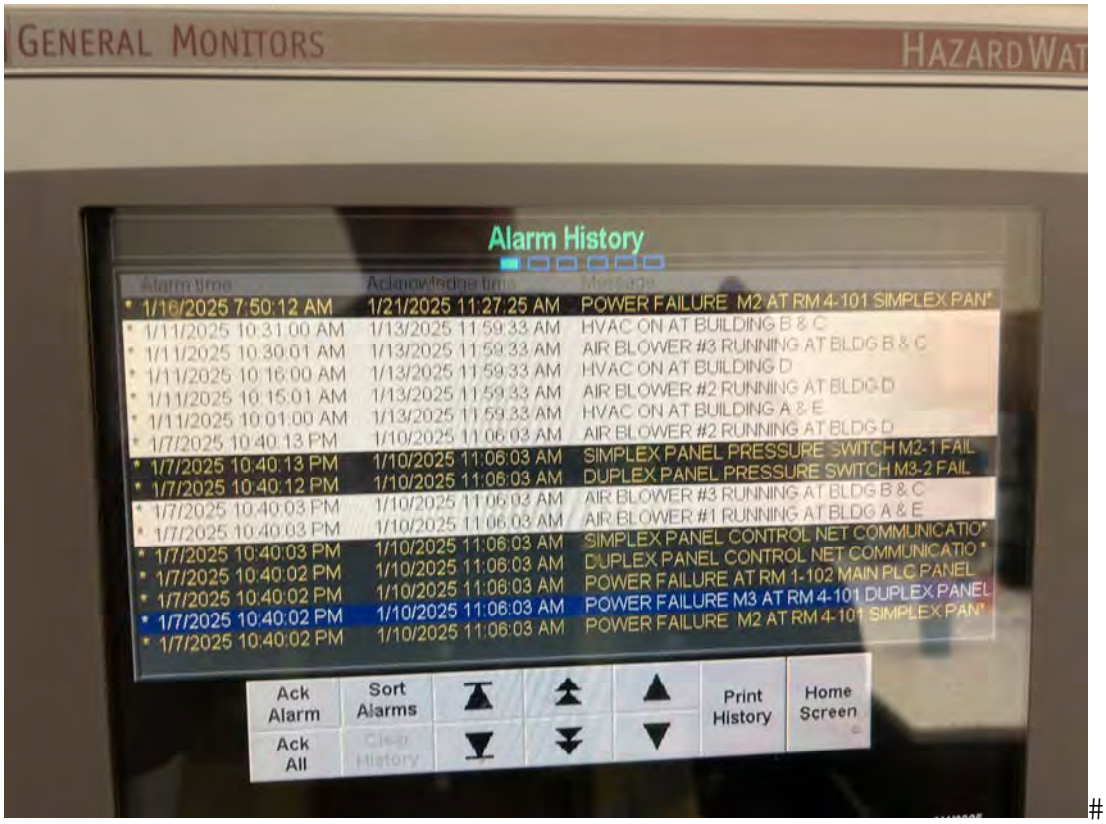
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* 1/7/2025 10:40:03 PM 1/10/2025 11:06:03 AM AIR BLOWER #3 RUNNING AT BLDG B & C
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AL MONITORS
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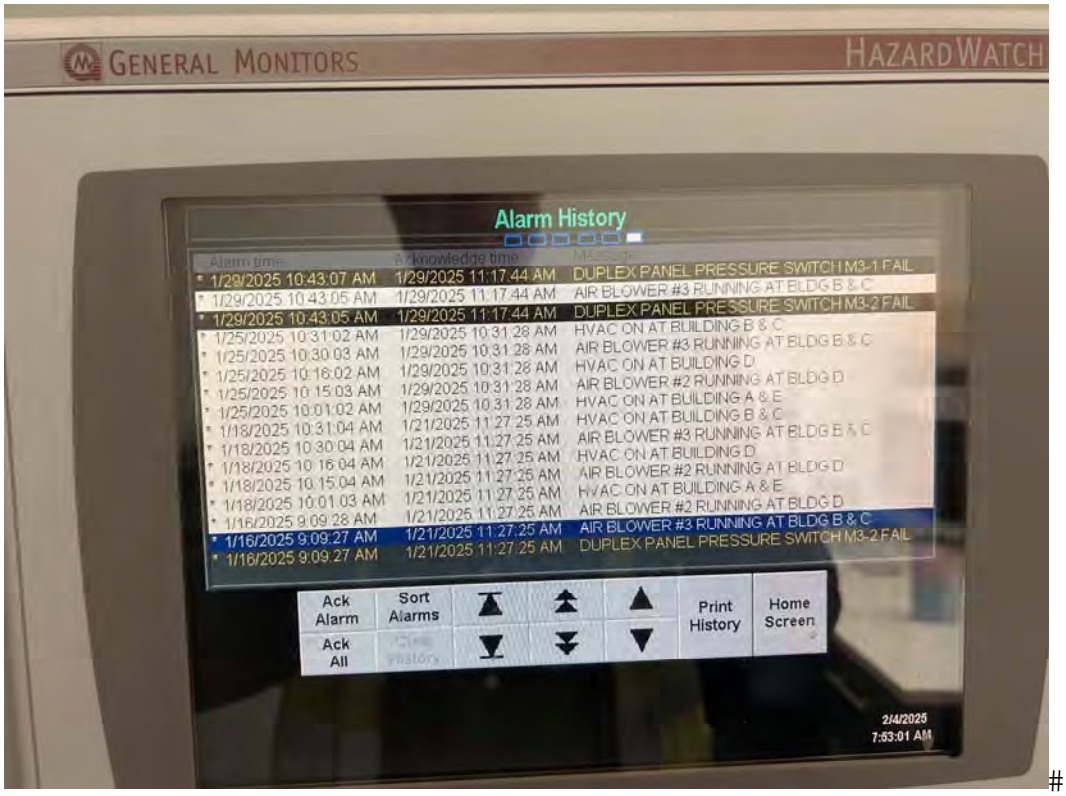
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1/25/2025 10:01:02 AM 1/29/2025 10:31:28 AM HVAC ON AT BUILDING A & E
1/18/2025 10:31:04 AM 1/21/2025 11:27:25 AM HVAC ON AT BUILDING B & C
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Print History
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Ack All
Clear History
2/4/2025
7:53:01 AM
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GENERAL MONITORS
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1/29/2025 10:55:15 AM 1/29/2025 11:17:44 AM DUPLEX PANEL CONTROL NET COMMUNICATIO*
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Message
2/3/2025 9:32:19 AM 2/4/2025 7:16:29 AM AIR BLOWER #2 RUNNING AT BLDG D
2/3/2025 9:32:18 AM 2/4/2025 7:16:29 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
2/3/2025 9:32:18 AM 2/4/2025 7:16:29 AM M2-1 H2S FAULT GAS ALARM BUILDING D
2/3/2025 9:32:18 AM 2/4/2025 7:16:29 AM M2-1 CH4 FAULT GAS ALARM BUILDING D
2/3/2025 9:32:09 AM 2/4/2025 7:16:29 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
2/3/2025 9:32:08 AM 2/4/2025 7:16:29 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
2/3/2025 9:32:08 AM 2/4/2025 7:16:29 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
2/3/2025 8:05:04 AM 2/4/2025 7:16:29 AM AIR BLOWER #2 RUNNING AT BLDG D
2/3/2025 8:05:04 AM 2/4/2025 7:16:29 AM SIMPLEX PANEL PRESSURE SWITCH M2-1 FAIL
2/3/2025 8:05:04 AM 2/4/2025 7:16:29 AM M2-1 H2S FAULT GAS ALARM BUILDING D
2/3/2025 8:05:04 AM 2/4/2025 7:16:29 AM M2-1 CH4 FAULT GAS ALARM BUILDING D
2/3/2025 8:04:54 AM 2/4/2025 7:16:29 AM SIMPLEX PANEL CONTROL NET COMMUNICATIO*
2/3/2025 8:04:53 AM 2/4/2025 7:16:29 AM POWER FAILURE AT RM 1-102 MAIN PLC PANEL
2/3/2025 8:04:53 AM 2/4/2025 7:16:29 AM POWER FAILURE M2 AT RM 4-101 SIMPLEX PAN*
2/1/2025 10:31:01 AM 2/4/2025 7:16:29 AM HVAC ON AT BUILDING B & C
2/1/2025 10:16:00 AM 2/4/2025 7:16:29 AM HVAC ON AT BUILDING D
Ack Alarm
Sort Alarms
Ack All
Clear History
Print History
Home Screen
2/4/2025
7:52:02 AM

#

Appendix D

Monitoring Forms

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 1
BUILDING AND OUTDOOR AIRSPACE MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: ACarrett

Date: 6-27 & 6-28-24
Time: —

INTERIOR BUILDING MEASUREMENTS				
Location	**Building / Room Number**	**CH4 (ppmv)**	**H2S (ppmv)**	**Notes**
BL-1	Bldg. D / Room MPR	0	0	
BL-2	Bldg. A / Room Front	0	0	
BL-3	Bldg. A / Room rear	0	0	
BL-4	Bldg. A / Room panel	0	0	
BL-5	Bldg. C / Room 11	0	0	
BL-6	Bldg. C / Room 9	0	0	
BL-7	Bldg. B / Room [illegible]	0	0	
Mod Bldg	Modular Classroom 1	0	0	
	Crawlspace Modular Classroom 1	0	0	
Mod Bldg	Modular Bldg Classroom 2	0	0	
	Crawlspace Modular Classroom 2	0	0	
EXTERIOR MEASUREMENTS				
Location	**Outdoor Area**	**CH4 (ppmv)**	**H2S (ppmv)**	**Notes**
EO-1	Landscape	0	0	
EO-2	Landscape	0	0	
EO-3	Landscape	0-0.5	0	
EO-4	Hardscape	0-1.0	0	
EO-5	Hardscape	0	0	
EO-6	Hardscape	0	0.001	
EO-7	Hardscape	0	0	
EO-8	Hardscape	0	0	
EO-9	Hardscape	0	0.002	
EO-10	Hardscape	0	0	
EO-11	Hardscape	0.5-1.5	0	
EO-12	Hardscape	0.5-1.0	0	

BACKGROUND MEASUREMENTS			
Location	**CH4 (ppmv)**	**H2S (ppmv)**	**Notes**
Soccer Field	≈1-2	0	
Playground	0-1	0	
Weather Conditions:	Sunny, slight breeze, 70-80°		
TVA ~~MicroFID~~ Serial Number:	44120		
Jerome 631X Serial Number:	22232		

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 2
PASSIVE VENT RISER MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 6-27-24
Time: _____

Location	PASSIVE VENT RISER MEASUREMENTS							
	Vent ID	CH4 (ppmv)	H2S (ppmv)	Time	Velocity (ft/min)	Temperature	Smoke Time (seconds)	Notes
Hardscape Areas	VL-1	0	0	0845	31	74		
	VL-2	0	0	0845	34	75		
	VL-3	0	0	0855	37	76		
	VL-4	0	0	0915	38	78		
	VL-5	1-1.5	0	0850	50	75		
	VL-6	0	0	1040	15	85		clogged - drilled out
	VL-7	0	0	1035	18	85		
	VL-8	0	0.002	1045	59	87		clogged - drilled out
	VL-9	0	0	1018	10	85		
	VL-10	1-2	0	1000	46	85		
	VL-11	1-2	0	1005	35	85		
	VL-12	0	0	0950	33	75		
	VL-13	0	0	0935	30	78		
	VL-14	0	0	0940	38	75		
	VL-15	0	0	1105	25	86		
	VL-16	0	0	1130	20	86		
Administration / Library Building (A)	VA-1	0	0	~~0955~~ 1100	5	78		
	VA-2	0	0	0910	23	80		
	VA-3	0	0	1110	18	86		
	VA-4	0	0	0955	47	84		
	VA-5	0	0	1115	49	85		
	VA-6	0	0	1120	46	86		
	VA-7	0	0	1125	40	85		
	VA-8	0	0	1145	52	86		
Classroom Buildings (B/C)	VB-1	0	0	1250	30	89		
	VB-2	0	0	1255	25	89		
	VB-3	0	0	1258	15	89		
	VC-1	0	0	1305	35	89		
	VC-2	0	0	1310	38	89		
	VC-3	0	0	1315	43	89		
MPR / Food Service Building (D)	VD-1	0.5	0.001	0900	50	80		
	VD-2	0	0	1030	70	85		
	VD-3	0	0	0903	37	80		
	VD-4	0.8	0	1023	62	85		
	VD-5	0	0	1010	15	85		
	VD-6	0	0	1015	22	85		
Elevator Tower	VE-1	0.5	0	0955	23	83		
Suburface Vent Wells	VM-1	0	0	0920	2	83		
	VM-2	0	0	1135	5	88		

BACKGROUND MEASUREMENTS			
Location	CH4 (ppmv)	H2S (ppmv)	Notes
soccer field	0-2	0.002	
Playground	0-1	0	
Weather Conditions:	sunny, slight breeze, hot 70-85°		
~~MicroFID~~ Serial Number:	44120		
Jerome 631X Serial Number:	22237		
Airflow Meter Model:	—		

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 3
ACTIVE VENT RISER MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarcia

Date: 6-28-24
Time: –

Associated Blower	ACTIVE VENT RISER MEASUREMENTS							
	Vent ID	CH4 (ppmv)	H2S (ppmv)	Time	Velocity (ft/min)	Temperature	Smoke Time (seconds)	Notes
IB-1	VA-1	0	0	1050	127	85-90°		
	VA-2	0	0	1035	153			
	VA-3	0	0	1044	350			
	VA-4	0	0	1040	200			
	VA-5	0	0	1047	213			
	VA-6	0	0	1055	258			
	VA-7	0	0	1058	342			
	VA-8	0	0	1108	300			
IB-3	VB-1	0	0	1125	325			
	VB-2	0	0	1130	310			
	VB-3	0	0	1135	273			
	VC-1	0	0	1150	320			
	VC-2	0	0	1145	285			
	VC-3	0	0	1140	275			
IB-2	VD-1	0	0	1000	300			
	VD-2	0	0	1010	173			
	VD-3	0	0	1003	315			
	VD-4	0	0	1015	318			
	VD-5	0	0	1020	230			
	VD-6	0	0	1024	412			
IB-1	VE-1	0	0	1104	295			

	Blower ID	Flow (scfm)	Pressure (psi)	Start Time	Stop Time
1000 ~~4100~~	IB-1	1000	30	–	–
5140	IB-2	125	30	–	–
2029	IB-3	100	30	–	–

BACKGROUND MEASUREMENTS			
Location	CH4 (ppmv)	H2S (ppmv)	Notes
Soccer Field	0-1.5	0.001	
Playground	0-1	0	
Weather Conditions:	Sunny, clear, hot, slight breeze		
~~MicroFID~~ Serial Number:	44120		
Jerome 631X Serial Number:	22232		
Airflow Meter Model:	–		

Notes:
Blower IB-1 connects Vent Risers VA-1 thru VA-8 and VE-1.
Blower IB-2 connects Vent Risers VD-1 thru VD-6.
Blower IB-3 connects Vent Risers VB-1 to VB-3 and VC-1 to VC-3.
Blowers are not to be ran more than 30 minutes in active mode during monitoring.
Blowers readings collected at conclusion of monitoring, just prior to stoppping blower.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 4
SOIL GAS MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 6-27 + 6-28-24
Time: _____

Probe Location	Probe Depth	Shut-in Test (Pass or Fail)	Initial Vacuum / Pressure (in H20)	Final Vacuum / Pressure (in H20)	Sample Start Time	Sample Stop Time	Purge Rate (ml/min)	Purge Volume	CH4 (%)	C02 (%)	02 (%)	H2S (ppmv)
SV-1	5	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	WATER			
SV-2	5		—	—	—	—	—	—	WATER			
	14		—	—	—	—	—	—	WATER			
SV-3	5		—	—	—	—	—	—	WATER			
	10		—	—	—	—	—	—	WATER			
SV-4	5		—	—	—	—	—	—	PLUG			
	15	—	—	—	—	—	—	—	WATER			
SV-5	5	—	—	—	—	—	—	—	PLUG			
	10		—	—	—	—	—	—	WATER			

Broke probe

BACKGROUND MEASUREMENTS			
Location	CH4 (%)	H2S (ppmv)	Notes
Soccer Field	0	0	
Playground	0	0	
Weather Conditions:	Sunny, slight breeze, hot, clear		
GEM Serial Number:	—		
Jerome 631X Serial Number:	—		

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 1
BUILDING AND OUTDOOR AIRSPACE MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 1-2 + 1-3-25
Time: —

INTERIOR BUILDING MEASUREMENTS				
Location	**Building / Room Number**	**CH4 (ppmv)**	**H2S (ppmv)**	**Notes**
BL-1	Bldg. D / Room MPR	0	0	
BL-2	Bldg. A / Room Front Desk	0	0	
BL-3	Bldg. A / Room Panel	0	0	
BL-4	Bldg. A / Room SE area	0	0	
BL-5	Bldg. C / Room 9	0	0	
BL-6	Bldg. C / Room 10	0	0	
BL-7	Bldg. B / Room Nurse	0	0	
Mod Bldg	Modular Classroom 1	0	0	
	Crawlspace Modular Classroom 1	0	0	
Mod Bldg	Modular Bldg Classroom 2	0	0	
	Crawlspace Modular Classroom 2	0	0	
EXTERIOR MEASUREMENTS				
Location	**Outdoor Area**	**CH4 (ppmv)**	**H2S (ppmv)**	**Notes**
EO-1	Landscape	0.5	0	
EO-2	Landscape	0.5	0	
EO-3	Landscape	0	0	
EO-4	Hardscape	1.0	0	
EO-5	Hardscape	0	0	
EO-6	Hardscape	0	0	
EO-7	Hardscape	0	0	
EO-8	Hardscape	0	0	
EO-9	Hardscape	0	0.002	
EO-10	Hardscape	0	0	
EO-11	Hardscape	0.5	0	
EO-12	Hardscape	0.0	0	

BACKGROUND MEASUREMENTS			
Location	**CH4 (ppmv)**	**H2S (ppmv)**	**Notes**
Soccer Field	up to 2.5	up to 0.005	
Playground	1-2	0.002	
Weather Conditions:	Foggy/Overcast early cleared by mid morning, 45-60°		
~~MicroFID Serial Number: NA-202~~	36483		
Jerome 631X Serial Number:	016645		

CLARK SEIF CLARK, INC.
HEALTH & SAFETY · ENGINEERING · ENVIRONMENTAL

MONITORING FORM NUMBER 2
PASSIVE VENT RISER MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 1-2-25
Time: 7-630

Location	PASSIVE VENT RISER MEASUREMENTS							
	Vent ID	CH4 (ppmv)	H2S (ppmv)	Time	Velocity (ft/min)	Temperature	Smoke Time (seconds)	Notes
Hardscape Areas	VL-1	0.8	0	0755	51	45		
	VL-2	0.5	0.002	0720	48	45		
	VL-3	0	0	0750	45	45		
	VL-4	0.5	0	0715	40	48		
	VL-5	1.0	0	0745	38	48		
	VL-6	0	0	0830	18	45		
	VL-7	0	0	0825	35	45		
	VL-8	0.5	0.002	0835	30	45		
	VL-9	0	0	0810	32	45		
	VL-10	0.5	0	0840	18	48		
	VL-11	1.0	0	0835	27	48		
	VL-12	0	0	0845	25	48		
	VL-13	0	0	0850	55	48		
	VL-14	0	0	0900	45	50		
	VL-15	0	0	0935	35	50		
	VL-16	0	0	0940	40	50		
Administration / Library Building (A)	VA-1	0	0.002	0730	28	50		
	VA-2	0	0	0730	43	45		
	VA-3	0	0	0910	35	50		
	VA-4	0	0	0855	10	50		
	VA-5	0	0	0915	50	50		
	VA-6	0	0	0920	38	51		
	VA-7	0	0	0925	43	51		
	VA-8	0	0.001	0945	23	50		
Classroom Buildings (B/C)	VB-1	0	0	0950	52	55		
	VB-2	0	0	0955	50	55		
	VB-3	0.8	0	1000	42	55		
	VC-1	0	0	1015	39	55		
	VC-2	0	0	1010	30	55		
	VC-3	0	0	1005	35	55		
MPR / Food Service Building (D)	VD-1	0	0	0740	25	45		
	VD-2	0	0	0820	22	45		
	VD-3	0	0	0735	45	45		
	VD-4	0.5	0	0815	42	45		
	VD-5	0.5	0	0800	15	45		
	VD-6	0	0	0805	40	45		
Elevator Tower	VE-1	0.5	0.002	0405	35	50		
Suburface Vent Wells	VM-1	0	0	0725	10	45		
	VM-2	0	0	0935	15	50		

BACKGROUND MEASUREMENTS			
Location	CH4 (ppmv)	H2S (ppmv)	Notes
Soccer field	<2.5	<0.005	
Playground	1-2	0.002	
Weather Conditions:	overcast / foggy, cleared by 1100 — 45-55°		
~~MicroFID Serial Number:~~	36483		
Jerome 631X Serial Number:	016645		
Airflow Meter Model:	23134		

TUA 2020

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 3
ACTIVE VENT RISER MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGeisright

Date: 1-2+1-3-25
Time: _____

	Associated Blower	ACTIVE VENT RISER MEASUREMENTS							
		Vent ID	CH4 (ppmv)	H2S (ppmv)	Time	Velocity (ft/min)	Temperature	Smoke Time (seconds)	Notes
1-2-25	IB-1	VA-1	0	0	1125	110	69		
		VA-2	0	0	100	147	69		
		VA-3	0	0	1105	149	70		
		VA-4	0	0	1108	185	71		
		VA-5	0	0	1113	152	69		
		VA-6	0	0	1116	290	70		
		VA-7	1.0	0	1120	250	70		
		VA-8	0.5	0.002	1130	180	70		
1-3-25	IB-3	VB-1	0	0	0855	200	53		
		VB-2	0	0	0850	250	53		
		VB-3	0	0	0845	265	54		
		VC-1	0	0	0835	185	55		
		VC-2	0.5	0	0830	230	55		
		VC-3	0	0	0840	205	55		
1-2-25	IB-2	VD-1	0.8	0	1142	285	68		
		VD-2	0	0	1150	351	69		
		VD-3	0	0	1145	158	70		
		VD-4	0	0	1140	320	69		
		VD-5	0	0	1200	153	70		
		VD-6	0	0	1155	180	69		
	IB-1	VE-1	0	0	1135	225	65		

	Blower ID	Flow (scfm)	Pressure (psi)	Start Time	Stop Time
1017	IB-1	100	3.0	1100	1140
9:57	IB-2	100	3.25	1141	1215
2045	IB-3	125	3.25	0820	0858

BACKGROUND MEASUREMENTS			
Location	CH4 (ppmv)	H2S (ppmv)	Notes
Soccer Field	<2.5	<0.005	
Playground	<2	<0.005	
Weather Conditions:	Foggy am to clear mild morning 50° to 60°		
~~MicroFID Serial Number~~:	36483		
Jerome 631X Serial Number:	16645		
Airflow Meter Model:	23134		

TJA 2020

Notes:
Blower IB-1 connects Vent Risers VA-1 thru VA-8 and VE-1.
Blower IB-2 connects Vent Risers VD-1 thru VD-6.
Blower IB-3 connects Vent Risers VB-1 to VB-3 and VC-1 to VC-3.
Blowers are not to be ran more than 30 minutes in active mode during monitoring.
Blowers readings collected at conclusion of monitoring, just prior to stoppping blower.

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 4
SOIL GAS MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: AGarrett

Date: 2-27-25
Time: 7-9a

Probe Location	Probe Depth	Shut-in Test (Pass or Fail)	Initial Vacuum / Pressure (in H20)	Final Vacuum / Pressure (in H20)	Sample Start Time	Sample Stop Time	Purge Rate (ml/min)	Purge Volume	CH4 (%)	C02 (%)	02 (%)	H2S (ppmv)
SV-1	3 ~~5~~	Pass	0	0	805	815	150	518	0.2	13.2	1.4	0
	~~15~~											
SV-2	3 ~~5~~	Pass	0	0	830	840	"	"	0	1.9	5.5	0
	~~14~~											
SV-3	3 ~~5~~	Pass	0	0	735	745	"	"	20.2	13.5	0.9	0
	~~10~~											
SV-4	3 ~~5~~	Pass	0	0	700	710	"	"	0	0.6	13.4	0
	~~15~~											
SV-5	3 ~~5~~	Pass	0	0	715	725	"	"	0	1.5	9.5	0
	~~10~~											

BACKGROUND MEASUREMENTS			
Location	CH4 (%)	H2S (ppmv)	Notes
Playground	0	0	
Soccer Field	0	0	
Weather Conditions:	Sunny, slight breeze, 60-70°		
GEM Serial Number:	41616		
Jerome 631X Serial Number:	22232		

5' + 10' will not sampled
→ previously plugged or had water

CLARK SEIF CLARK, INC.
HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL

MONITORING FORM NUMBER 5
SCAQMD VENT RISER MEASUREMENTS
PLAYA VISTA ELEMENTARY SCHOOL

Inspector: A Garrett

Date: 1-10-25
Time:

Vent ID	Time	Vent Risers					Blowers				Notes
		VOCs (ppmv)	Methane (ppmv)	H_2S (ppmv)	Velocity (ft/min)	Temperature (F)	Blower ID	Flow (cfm)	Pressure (psig)	Temperature (F)	
VA-7		0	1.0	0	250	70	1	100	3.10	–	
VD-1		0	0.8	0	285	68	2	100	3.25	–	

MicroFID Serial Number:	36485
Jerome 631X Serial Number:	16045
Airflow Meter Model:	73124

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11397 Slater Ave.
Fountain Valley, CA 92708
Toll-free: 888-620-7463

Pine Environmental Services, Inc.

Instrument ID 44120
Description TVA 2020
Calibrated 6/26/2024 2:50:16PM

Manufacturer Thermo
Model Number TVA2020-A2B4B1
Serial Number/ Lot Number 202018093646
Location California
Department

State Certified
Status Pass
Temp °C 23
Humidity % 45

Calibration Specifications

Group # 1
Group Name FID
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	PPM	100.0	PPM	101.0	100.0	0.00%	Pass

Group # 2
Group Name PID
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	PPM	100.00	PPM	102.00	100.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
CA CH4 100PPM #304-402303703 -1	CA CH4 100PPM #304-402303703-1	Gasco	31756	304-402303703 -1		1/4/2026
CA ISO 100PPM #304-402824018 -1	CA ISO 100PPM L#304-402824018-1	Gasco	31721A	304-402824018 -1		10/10/2027

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Juan Marquez

FIELD ENVIRONMENTAL INSTRUMENTS, INC.
www.fieldenvironmental.com

301 Brushton Ave
Suite A
Pittsburgh, PA 15221
Toll Free (800) 393-4009
Local (412) 436-2600
Fax (412) 436-2616

Jerome Compliance Certificate

Zero Calibration Pass? (Passing Readings < 0.05µg/m3)	Confirmed
Battery Charged	Confirmed
In Annual Calibration & Calibration Form Printed?	Confirmed
Long Inlet Tube Included?	Confirmed
Sensor Regenerated? (N/A for J505)	Confirmed

Model	631-X
S/N	631-2699
Barcode	U60545X

Order Number	557014
Calibrated By	Noah Holaday
Date of Calibration	6/26/2024

Revision 1, 3/26/24

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11397 Slater Ave.
Fountain Valley, CA 92708
Toll-free: 888-620-7463

Pine Environmental Services, Inc.

Instrument ID 36483
Description TVA 2020 FID-PID
Calibrated 12/31/2024 11:52:27AM

Manufacturer Thermo
Model Number 2020-a251b1
Serial Number/ Lot Number 202016041239
Location California
Department

State Certified
Status Pass
Temp °C 11
Humidity % 87

Calibration Specifications

Group # 1
Group Name CH4
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	PPM	100.0	PPM	100.0	100.0	0.00%	Pass

Group # 2
Group Name VOC
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	PPM	100.0	PPM	100.0	100.0	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
CA CH4 100PPM #304-402303703 -1	CA CH4 100PPM #304-402303703-1	Gasco	31756	304-402303703 -1		1/4/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Royce C. DeQuiroz

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 16645
Description Jerome 631-X
Calibrated 12/27/2024 2:38:36PM

Manufacturer Arizona
Model Number 631-X
Serial Number/ Lot Number 631-2773
Location New Jersey
Department

State Certified
Status Pass
Temp °C 22.4
Humidity % 19

Calibration Specifications

Group # 1
Group Name Regen and Zero
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Matthew Manion

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

ISO 9001:2015 CERTIFIED

BROOKFIELD AMETEK

INSTRUMENTATION & SPECIALTY CONTROLS DIVISION

INSTRUMENTATION & SPECIALTY CONTROLS DIVISION
11 Commerce Blvd. | Middleboro, MA 02346
P: 508.946.6200 | F: 508.946.6262

CERTIFICATE NUMBER 359188

CUSTOMER NAME PINE ENVIRONMENTAL
ADDRESS 92 N MAIN ST
BLDG 20
WINDSOR NJ 08561
USA

CERTIFICATE OF INSTRUMENT CALIBRATION

MODEL	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
X631 0001	2773	8/29/2024	8/28/2025

To the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY within the limitations of the Institute's calibration services, or have been derived from accepted values of natural physical constants, or have been derived by the ratio type of self-calibration techniques. Disclaimer: Any unauthorized adjustments, removal or breaking of QC seals, or other customer modifications on your Jerome Analyzer WILL VOID this factory calibration. Because any of the above acts could affect the calibration and readings of the instrument, their certification will no longer be valid and, further, AMETEK Brookfield WILL NOT be responsible for any liabilities created as a result of using the instrument after such adjustments, seal removal, or modifications. This document shall not be reproduced, except in full, without the written approval of AMETEK Brookfield.

REFERENCE EQUIPMENT USED TO CALIBRATE THE EQUIPMENT

TYPE/MODEL	SERIAL/LOT NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
Cal Set	CC240536	2/21/2024	2/21/2027
TYPE/MODEL	**SERIAL/LOT NUMBER**	**CALIBRATION DATE**	**CALIBRATION DUE DATE**
Alicat	60245	2/1/2024	2/2/2025
TYPE/MODEL	**SERIAL/LOT NUMBER**	**CALIBRATION DATE**	**CALIBRATION DUE DATE**
Alicat	437338	2/1/2024	2/2/2025
TYPE/MODEL	**SERIAL/LOT NUMBER**	**CALIBRATION DATE**	**CALIBRATION DUE DATE**
Fluke	16070753	12/6/2023	12/6/2024

NIST TRACE # SRM 2730; 65-D-035; CAL013399 **PROCEDURE #:** 730-0040

All reference equipment used to calibrate the instrument listed upon this certificate have calibrations that are traceable to the National Institute of Standards and Technology (NIST).

APPROVAL SIGNATURE

Todd Place

TODD PLACE, QUALITY ENGINEER

CALIBRATION PERFORMED BY GM

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11397 Slater Ave.
Fountain Valley, CA 92708
Toll-free: 888-620-7463

Pine Environmental Services, Inc.

Instrument ID 22232
Description Arizona Jerome J605 Hydrogen Sulfide Analyzer
Calibrated 2/25/2025 1:47:02PM

Manufacturer Arizona
Model Number J605
Serial Number/ Lot Number 60500188
Location California
Department

State Certified
Status Pass
Temp °C 20
Humidity % 50

Calibration Specifications

Group # 1
Group Name Operational Check / Regen / Zero Check
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Mike Tokumoto

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

ISO 9001:2015 CERTIFIED

BROOKFIELD AMETEK

INSTRUMENTATION & SPECIALTY CONTROLS DIVISION

INSTRUMENTATION & SPECIALTY CONTROLS DIVISION
11 Commerce Blvd. | Middleboro, MA 02346
P: 508.946.6200 | F: 508.946.6262

CERTIFICATE NUMBER 358544

CUSTOMER NAME PINE ENVIRONMENTAL CANADA
ADDRESS 159 COLONNADE ROAD
UNIT# 3 & UNIT# 4
OTTAWA ON K2E 7J4
CANADA

CERTIFICATE OF INSTRUMENT CALIBRATION

MODEL	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
J605-0001	60500188	8/19/2024	8/18/2025

To the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY within the limitations of the Institute's calibration services, or have been derived from accepted values of natural physical constants, or have been derived by the ratio type of self-calibration techniques. Disclaimer: Any unauthorized adjustments, removal or breaking of QC seals, or other customer modifications on your Jerome Analyzer WILL VOID this factory calibration. Because any of the above acts could affect the calibration and readings of the instrument, their certification will no longer be valid and, further, AMETEK Brookfield WILL NOT be responsible for any liabilities created as a result of using the instrument after such adjustments, seal removal, or modifications. This document shall not be reproduced, except in full, without the written approval of AMETEK Brookfield.

REFERENCE EQUIPMENT USED TO CALIBRATE THE EQUIPMENT

TYPE/MODEL	SERIAL/LOT NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
Cal Set	CC240536	2/21/2024	2/21/2027
Alicat	60245	2/1/2024	2/2/2025
Alicat	437338	2/1/2024	2/2/2025
Fluke	16070753	12/6/2023	12/6/2024

NIST TRACE # SRM 2730; 65-D-035; CAL013399 **PROCEDURE #:** 730-0099

All reference equipment used to calibrate the instrument listed upon this certificate have calibrations that are traceable to the National Institute of Standards and Technology (NIST).

APPROVAL SIGNATURE

Todd Place

TODD PLACE, QUALITY ENGINEER

CALIBRATION PERFORMED BY JaC

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11397 Slater Ave.
Fountain Valley, CA 92708
Toll-free: 888-620-7463

Pine Environmental Services, Inc.

Instrument ID 41616
Description Gem 5000
Calibrated 2/25/2025 1:58:50PM

Manufacturer CES Landtec
Model Number GEM5000
Serial Number/ Lot Number G505251
Location California
Department

State Certified
Status Pass
Temp °C 20
Humidity % 50

Calibration Specifications

Group # 1
Group Name Methane
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
50.00 / 50.00	%Volume	50.00	%Volume	50.00	50.10	0.20%	Pass

Group # 2
Group Name Carbon Dioxide
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
35.00 / 35.00	%Volume	35.00	%Volume	35.10	35.00	0.00%	Pass

Group # 3
Group Name O2 (High)
Stated Accy Pct of Reading Range
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
20.90 / 20.90	%Volume	20.90	%Volume	20.90	20.90	0.00%	Pass

Group # 4
Group Name H2S
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
25.0 / 25.0	PPM	25.0	PPM	24.0	25.0	0.00%	Pass

Group # 5
Group Name CO
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
50.00 / 50.00	PPM	50.00	PPM	48.00	50.00	0.00%	Pass

41616

CERTIFICATION OF CALIBRATION

PJLA Calibration
No. 66916

Date Of Calibration: 12-Nov-2024

Certificate Number: G505251_10/37070

Issued by: QED Environmental Systems Inc.

Customer: **PINE ENVIRONMENTAL SERVICES LLC**
PO BOX 943 HEIGHTSTOWN, NJ 08520 US

Description:

Model: GEM5000

Serial Number: G505251

Accredited Results:

Methane (CH4)		
Certified Gas (%)	**Instrument Reading (%)**	**Uncertainty (%)**
5.0	4.8	0.42
15.0	14.9	0.66
60.0	59.5	1.03

Carbon Dioxide (CO2)		
Certified Gas (%)	**Instrument Reading (%)**	**Uncertainty (%)**
5.0	4.8	0.43
15.0	14.6	0.71
39.9	39.8	1.19

Oxygen (O2)		
Certified Gas (%)	**Instrument Reading (%)**	**Uncertainty (%)**
21.6	21.7	0.25

Gas cylinders are traceable and details can be provided if requested.

CH4, CO2 readings recorded at: 31.2 °C/88.2 °F

O2 readings recorded at: 22.0 °C/71.6 °F

Barometric Pressure: 0991 mbar/29.25 "Hg

Method of Test : The analyzer is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure ISP17.

Instrument has passed calibration as the measurement result is within the specification limit. The specification limit takes into account the measurement uncertainty.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with NIST requirements.

www.qedenv.com (800) 624-2026 info@qedenv.com

QED Environmental Systems Inc. 2355 Bishop Circle West, Dexter, MI 48130

CERTIFICATION OF CALIBRATION

PJLA Calibration
No. 66916

Date Of Calibration: 12-Nov-2024

Certificate Number: G505251_10/37070

Issued by: QED Environmental Systems Inc.

Non Accredited results:

Pressure Transducers (inches of water column)					
Transducer	**Certified (Low)**	**Reading (Low)**	**Certified (High)**	**Reading (High)**	**Accuracy**
Static	0"	0"	40"	40.08"	2.0"
Differential	0"	0"	4"	3.95"	0.7"

Barometer (mbar)	
Reference	**Instrument Reading**
0991 mbar / 29.25 "Hg	0992 mbar / 29.28 "Hg

Additional Gas Cells		
Gas	**Certified Gas (ppm)**	**Instrument Reading (ppm)**
H_2S	256	256
CO/H_2 COMP	500	501

As received gas check readings:

Methane (CH4)	
Certified Gas (%)	**Instrument Reading (%)**
5.0	5.4
15.0	16.0
60.0	60.2

Carbon Dioxide (CO2)	
Certified Gas (%)	**Instrument Reading (%)**
5.0	5.1
15.0	15.2
39.9	39.8

Oxygen (O2)	
Certified Gas (%)	**Instrument Reading (%)**
21.6	22.2

As received Gas readings recorded at: 31.2 °C/88.2 °F
As received Barometric Pressure recorded at: 22.0 °C/71.6 °F

As received gas check readings are only recorded if the instrument is received in a working condition.
Where the instrument is received damaged no reading can be taken.

www.qedenv.com (800) 624-2026 info@qedenv.com

QED Environmental Systems Inc. 2355 Bishop Circle West, Dexter, MI 48130

Appendix E

Laboratory Reports

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

15 January 2025

A. Garrett
Clark Seif Clark - Chatsworth
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

RE: Playa Vista ES

Enclosed are the results of analyses for samples received by the laboratory on 07/02/24 10:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lena Davidkov For Joann Marroquin
Director of Operations

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M3-1A	T242758-01	Air	06/28/24 08:17	07/02/24 10:45
M3-1B	T242758-02	Air	06/28/24 08:03	07/02/24 10:45
M3-1B	T242758-03	Air	06/28/24 08:09	07/02/24 10:45

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lena Davidkov For Joann Marroquin, Director of Operations

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

DETECTIONS SUMMARY

Sample ID: M3-1A **Laboratory ID:** T242758-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Acetone	**6.4**	5.0	ppb(v)	TO-15	
Tetrachloroethene	**3.9**	1.0	ppb(v)	TO-15	

Sample ID: M3-1B **Laboratory ID:** T242758-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Cyclohexane	**8.3**	1.0	ppb(v)	TO-15	
Tetrachloroethene	**1.0**	1.0	ppb(v)	TO-15	

Sample ID: M3-1B **Laboratory ID:** T242758-03

Analyte	Result	Reporting Limit	Units	Method	Notes
1,2,4-Trimethylbenzene	**1.1**	1.0	ppb(v)	TO-15	
Benzene	**2.0**	1.0	ppb(v)	TO-15	
Toluene	**7.7**	1.0	ppb(v)	TO-15	
Ethylbenzene	**1.0**	1.0	ppb(v)	TO-15	
m,p-Xylene	**3.3**	2.0	ppb(v)	TO-15	
o-Xylene	**1.1**	1.0	ppb(v)	TO-15	

SunStar Laboratories, Inc.

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

M3-1A

T242758-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Acetone	**6.4**	5.0	ppb(v)	1.67	24G0040	07/03/24	07/05/24	TO-15	
1,3-Butadiene	ND	2.0	"	"	"	"	"	"	
Carbon Disulfide	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"	"	"	"	"	"	
Isopropyl alcohol	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
Cyclohexane	ND	1.0	"	"	"	"	"	"	
Heptane	ND	1.0	"	"	"	"	"	"	
Hexane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Lena Davidkov For Joann Marroquin, Director of Operations

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

M3-1A

T242758-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Methylene chloride	ND	7.5	ppb(v)	1.67	24G0040	07/03/24	07/05/24	TO-15	C-06
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**3.9**	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl acetate	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,4-Dioxane	ND	5.0	"	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*59.2-130*		"	"	"	"	

SunStar Laboratories, Inc.

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Lena Davidkov For Joann Marroquin, Director of Operations

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

M3-1B

T242758-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Acetone	ND	5.0	ppb(v)	1.81	24G0040	07/03/24	07/05/24	TO-15	
1,3-Butadiene	ND	2.0	"	"	"	"	"	"	
Carbon Disulfide	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"	"	"	"	"	"	
Isopropyl alcohol	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
Cyclohexane	**8.3**	1.0	"	"	"	"	"	"	
Heptane	ND	1.0	"	"	"	"	"	"	
Hexane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	

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Lena Davidkov For Joann Marroquin, Director of Operations

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Providing Quality Analytical Services Nationwide

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949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

M3-1B

T242758-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Methylene chloride	ND	7.5	ppb(v)	1.81	24G0040	07/03/24	07/05/24	TO-15	C-06
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.0**	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl acetate	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,4-Dioxane	ND	5.0	"	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*59.2-130*		"	"	"	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

M3-1B

T242758-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Acetone	ND	5.0	ppb(v)	1.71	24G0040	07/03/24	07/05/24	TO-15	
1,3-Butadiene	ND	2.0	"	"	"	"	"	"	
Carbon Disulfide	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"	"	"	"	"	"	
Isopropyl alcohol	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
Cyclohexane	ND	1.0	"	"	"	"	"	"	
Heptane	ND	1.0	"	"	"	"	"	"	
Hexane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

M3-1B

T242758-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Methylene chloride	ND	7.5	ppb(v)	1.71	24G0040	07/03/24	07/05/24	TO-15	C-06
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**1.1**	1.0	"	"	"	"	"	"	
Vinyl acetate	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,4-Dioxane	ND	5.0	"	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
Benzene	**2.0**	1.0	"	"	"	"	"	"	
Toluene	**7.7**	1.0	"	"	"	"	"	"	
Ethylbenzene	**1.0**	1.0	"	"	"	"	"	"	
m,p-Xylene	**3.3**	2.0	"	"	"	"	"	"	
o-Xylene	**1.1**	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*59.2-130*		"	"	"	"	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 24G0040 - Canister Analysis										
Blank (24G0040-BLK1)				Prepared & Analyzed: 07/03/24						
Acetone	ND	5.0	ppb(v)							
1,3-Butadiene	ND	2.0	"							
Carbon Disulfide	ND	1.0	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"							
Isopropyl alcohol	ND	5.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	5.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	5.0	"							
Cyclohexane	ND	1.0	"							
Heptane	ND	1.0	"							
Hexane	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
4-Ethyltoluene	ND	1.0	"							
Methylene chloride	ND	7.5	"							B-03
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrahydrofuran	ND	1.0	"							

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 24G0040 - Canister Analysis										
Blank (24G0040-BLK1)				Prepared & Analyzed: 07/03/24						
Tetrachloroethene	ND	1.0	ppb(v)							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl acetate	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
1,4-Dioxane	ND	5.0	"							
2-Butanone (MEK)	ND	5.0	"							
Methyl isobutyl ketone	ND	10	"							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
1,1-Difluoroethane (1,1-DFA)	ND	10	"							
Surrogate: 4-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.3*	*59.2-130*			
Duplicate (24G0040-DUP1)		**Source: T242766-01**		Prepared & Analyzed: 07/03/24						
Acetone	38.1	5.0	ppb(v)		40.6			6.58	30	
1,3-Butadiene	5.86	2.0	"		6.63			12.3	30	
Carbon Disulfide	ND	1.0	"		ND				30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"		ND				30	
Isopropyl alcohol	ND	5.0	"		ND				30	
Bromodichloromethane	ND	1.0	"		ND				30	
Bromoform	ND	1.0	"		ND				30	
Bromomethane	ND	5.0	"		ND				30	
Carbon tetrachloride	ND	1.0	"		ND				30	
Chlorobenzene	ND	1.0	"		ND				30	
Chloroethane	ND	1.0	"		ND				30	
Chloroform	ND	1.0	"		ND				30	
Chloromethane	ND	5.0	"		ND				30	
Cyclohexane	ND	1.0	"		ND				30	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 24G0040 - Canister Analysis										
Duplicate (24G0040-DUP1)		**Source: T242766-01**		Prepared & Analyzed: 07/03/24						
Heptane	0.685	1.0	ppb(v)		0.752			9.30	30	
Hexane	ND	1.0	"		ND				30	
Dibromochloromethane	ND	1.0	"		ND				30	
1,2-Dibromoethane (EDB)	ND	1.0	"		ND				30	
1,2-Dichlorobenzene	ND	5.0	"		ND				30	
1,3-Dichlorobenzene	ND	5.0	"		ND				30	
1,4-Dichlorobenzene	ND	5.0	"		ND				30	
Dichlorodifluoromethane	ND	1.0	"		ND				30	
1,1-Dichloroethane	ND	1.0	"		ND				30	
1,2-Dichloroethane	ND	1.0	"		ND				30	
1,1-Dichloroethene	ND	1.0	"		ND				30	
cis-1,2-Dichloroethene	ND	1.0	"		ND				30	
trans-1,2-Dichloroethene	ND	1.0	"		ND				30	
1,2-Dichloropropane	ND	1.0	"		ND				30	
cis-1,3-Dichloropropene	ND	1.0	"		ND				30	
trans-1,3-Dichloropropene	ND	1.0	"		ND				30	
4-Ethyltoluene	1.65	1.0	"		1.64			1.02	30	
Methylene chloride	ND	7.5	"		ND				30	C-06
Styrene	ND	1.0	"		ND				30	
1,1,2,2-Tetrachloroethane	ND	1.0	"		ND				30	
Tetrahydrofuran	ND	1.0	"		ND				30	
Tetrachloroethene	10.6	1.0	"		10.9			2.33	30	
1,1,2-Trichloroethane	ND	1.0	"		ND				30	
1,1,1-Trichloroethane	ND	1.0	"		ND				30	
Trichloroethene	ND	1.0	"		ND				30	
Trichlorofluoromethane	ND	1.0	"		ND				30	
1,3,5-Trimethylbenzene	1.24	1.0	"		1.29			3.97	30	
1,2,4-Trimethylbenzene	5.79	1.0	"		6.06			4.51	30	
Vinyl acetate	ND	1.0	"		ND				30	
Vinyl chloride	ND	1.0	"		ND				30	
1,4-Dioxane	ND	5.0	"		ND				30	
2-Butanone (MEK)	9.35	5.0	"		9.37			0.178	30	
Methyl isobutyl ketone	4.09	10	"		4.48			8.97	30	
Benzene	1.10	1.0	"		1.10			0.00	30	
Toluene	5.01	1.0	"		5.21			3.92	30	
Ethylbenzene	1.80	1.0	"		1.92			6.28	30	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 24G0040 - Canister Analysis										
Duplicate (24G0040-DUP1)		**Source: T242766-01**		Prepared & Analyzed: 07/03/24						
m,p-Xylene	8.95	2.0	ppb(v)		9.64			7.37	30	
o-Xylene	2.94	1.0	"		3.06			3.90	30	
1,1-Difluoroethane (1,1-DFA)	ND	10	"		ND				30	
Surrogate: 4-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*59.2-130*			

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SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/15/25 16:17

Notes and Definitions

C-06	Presence of analyte in sample suspected as common laboratory contaminant, which was also found in the method blank.
B-03	Analyte present in blank due to being a common laboratory contaminant.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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AIR LABORATORY

Chain of Custody Record

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Client: CSC
Address: 4010 Watson Plaza Dr 120
Phone: (562) 420-0000 Fax: Lakewood
Project Manager: AGarrett

Date: 7-1-24 Page: 1 Of 1
Project Name: Playa Vista Elementary
Collector: AGarrett Client Project #: 4007359
Batch #: T242758 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Start Time	Finish Time	Sample Type : Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3	TO-14	TO-15	Methane by GC - FID	Fixed Gases by TCD	RSK - 175		Summa Can, Manifold # / Comments
01	M3-1A	6-28-24	0810	0817	Soil Gas	Summa	-30	-5			X					0767 / 8674 manifold
02	M3-1B	1	0756	0803	1	1	-30	-5			X					0403 can / 8686 manifold
03	M3-1B dup		0803	0809			-30	-5			X					0217 can / "

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7-2-24 9:07	[signature]	7-2-24 9:07
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7-2-24 10:45	[signature]	7/2/24 10:45
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 8
Chain of Custody seals Y/N/NA: NA
Seals intact? Y/N/NA: NA
Received good condition/cold: ✓

Turn around time: STD

Notes

* TO-15 SIM analysis available upon prior notification. **(Precertified Summa cans needed)**

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Rev. 02C Date 11/23
Receiving Form 001A

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T242758

Client Name: CSC Project: Playa Vista Elementary

Delivered by: ☐ **Client** ☑ **SunStar Courier** ☐ **GLS** ☐ **FedEx** ☐ **Other**

If Courier, Received by: Travis Date/Time Courier Received: 7-2-24 9:03

Lab Received by: Paul Date/Time Lab Received: 7-2-24 10:45

Total number of coolers received: Thermometer ID: SC-1 Calibration due: 11/17/2024

Temperature: Cooler #1	°C +/- the CF (+ 0.1°C) =	°C corrected temperature	
Temperature: Cooler #2	°C +/- the CF (+ 0.1°C) =	°C corrected temperature	
Temperature: Cooler #3	°C +/- the CF (+ 0.1°C) =	°C corrected temperature	
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☐**Yes** ☐**No** ☑**N/A**	
If NO:			
Samples received on ice?	☐Yes	☐**No → Complete Non-Conformance Sheet**	
If on ice, samples received same day collected?	☐Yes → Acceptable	☐**No → Complete Non-Conformance Sheet**	

Custody seals intact on cooler/sample	☐Yes	☐No*	☑N/A
Sample containers intact	☑Yes	☐No*	
Sample labels match Chain of Custody IDs	☑Yes	☐No*	
Total number of containers received match COC	☑Yes	☐No*	
Proper containers received for analyses requested on COC	☑Yes	☐No*	
Proper preservative indicated on COC/containers for analyses requested	☐Yes	☐No*	☑N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☑ **Yes**	☐**No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: TB 7-2-24

Comments:

(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Project Name: 4007359					Irma
Company: CSC					DB
Name: AARON GARRETT					
Item		Quantity		Unit	
2 oz Jars 24/CS					
4 oz Jars 24/CS					
8 oz Jars 12/CS					
40 ml unpreserved VOAs 100/box					
40 ml HCL-preserved VOAs 72/box					
250 ml Poly 24/CS					
500 ml Poly 16/CS					
1 Liter Poly 12/CS					
500 ml Amber Bottle Wide 12/CS					
1 Liter Amber Bottle 12/CS					
1 Gallon Poly 4/box					
5035 kits:(2)Sodium Bisulfate VOAs 72/box					
	(1) Methanol VOA 72/box				
	(1) TERRACORE				
Lock-N-Load Handle 1/ea					
Tedlar Bags 10/pack					
Sub Slab Insert w/ washer & N/F					
Soil Gas SS 16" Drop Tubes					
Gas Extraction Fittings					
Soil Gas Filters					
	Volume of Summa	# Sent	Used	Unused	Unreturned
Batch Certified Summa Canisters	400cc				
	1L	3+1	CHARGE 3	1	0
	3L				
	6L				
Purge cans					
Nitrogen cans	400cc				
Ind. Cerified Summa Cannisters	1L				
	3L				
	6L				
63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0					TB
Manifolds: Inst. Sampler, Variable Sampler, Shut In Set Ups, 150ml/mn, 63ml/mn		3 MANIFOLDS(150)		CHARGE 2	0
Swagelok Fittings: Nuts/Ferrules, Ts		3 N/Fs	RETURNED		
Cooler (Sm, Med, Lrg) Number & Quantity					
Other: Poly Tube, Valves,Silicon Tape, etc.					
Prepared By:	TB		Date:	6/24/24	
Reviewed By:			Date:		

Comments:

Cooler Policy: Failure to return cooler(s) within 30 days of receipt or if the returned cooler(s) are in unusable condition, will result in a $50 per cooler fee for replacement costs.

Check In Report

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
0481	1000 cc	7/4/2024	7/2/2024 11:53 AM		General Office - Clark Seif Clark, Inc.	SunStar Labs South		
0403	1000 cc	7/4/2024	7/2/2024 11:53 AM		General Office - Clark Seif Clark, Inc.	SunStar Labs South		
0767	1000 cc	7/4/2024	7/2/2024 11:53 AM		General Office - Clark Seif Clark, Inc.	SunStar Labs South		
0217	1000 cc	7/4/2024	7/2/2024 12:31 PM		General Office - Clark Seif Clark, Inc.	SunStar Labs South		
8709	150 cc	7/4/2024	7/2/2024 12:31 PM		General Office - Clark Seif Clark, Inc.	SunStar Labs South		
8686	150 cc	7/4/2024	7/2/2024 12:31 PM		General Office - Clark Seif Clark, Inc.	SunStar Labs South		
8674	150 cc	7/4/2024	7/2/2024 12:31 PM		General Office - Clark Seif Clark, Inc.	SunStar Labs South		

FIELD ENVIRONMENTAL INSTRUMENTS, INC.

2301 East 28th Street
Suite 305
Signal Hill, CA 90755
562-424-2333 844-608-3344
www.fieldenvironmental.com
info@fieldenvironmental.com

Box Markings:

QA/QC Check Stamp
Fulfilled ____ Whse Mgmt ____
Sales Rep ____ Boxed ____
Shipped ____

ORDER SHEET

ORDER NUMBER: 557014
Sage Customer ID: N/A

Rep: Gary Yamron
Taken By: amiller
Rental Order

ORDER DATE: 6/26/24
SHIPMENT DATE: 6/27/24
EXPECTED DELIVERY DATE: 6/27/24

Bill To: Aaron Garrett ID#: 140744
Clark Seif Clark, Inc. - Lakewood CA
4010 WATSON PLAZA DR, STE 170
LAKEWOOD, CA 90712-4000
Phone: 562-420-0000
Cell: 562-676-7927
E-mail: Agarrett@csceng.com

Ship To: Aaron Garrett
Playa Vista Elementary School
13150 BLUFF CREEK DR
PLAYA VISTA, CA 90094-2520
Phone: 562-676-7927

Email Inv: N/A

Outgoing Ship Method: BCA2 - FEI Delivery

Payment Type: NET 30

Cust. PO: 4007359

Outgoing Ship Acct: N/A

RENTAL PERIOD: Thursday, 6/27/24 through Friday, 6/28/24

Fed Ex Acct: N/A **UPS Acct:** N/A
FS Option: N/A **Return Shipping:** N/A

ORDER ITEMS:

#	Qty	ID:	Class	Rental Terms: Monthly	Monthly Daily	Weekly	Weekly Daily	Daily	Sale Price	Item Total	Unit#	Return
1	1	8610	Jerome - 631-X H2S Analyzer - Rental	$2,250.00	$112.50	$787.50	$157.50	$337.50		$0.00	60545	

Item Notes: Ship From Office: *CA2*

Sale Item Total: $0.00

The order amount is exclusive of any applicable state and local sales tax

CUSTOMER SIGNATURE: _____ **DATE:** _____

Terms and Conditions Available at www.FieldEnvironmental.com

14 Convenient, Full-Service Branches. Scan the code to find the nearest FEI office.

Printed: 27-Jun-24 9:21

FIELD ENVIRONMENTAL INSTRUMENTS, INC.

2301 East 28th Street
Suite 305
Signal Hill, CA 90755
562-424-2333 844-608-3344

www.fieldenvironmental.com

PACKING SLIP

ORDER NUMBER: 557014
Printed: 27-Jun-24 9:21

Rep: Gary Yamron
Taken By: amiller

ORDER DATE: 6/27/2024
SHIPMENT DATE: 6/27/2024

Aaron Garrett
Playa Vista Elementary School

PLAYA VISTA, CA, 90094-2520
Phone: 562-676-7927

Ship Method: BCA2 - FEI Delivery
Ship Acct: N/A
Insure Value: N/A

Qty	Class	Scan Out	Unit ID	Unit S/N	Scan In	Unit ID	Unit S/N	Notes
1	Jerome - 631-X H2S Analyzer - Rental	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
	--> Jerome - Zero-Air Filter - Rental	06/26/2024	117607	na			na	
	--> Jerome - 631-X H2S Analyzer - Rental	06/26/2024	60545	631-2699			631-2699	
	--> Jerome - Power Cord	06/26/2024	85130	na			na	
	--> Jerome - 631-X Manual	06/26/2024	70413	na			na	

Rental Period: 6/27/2024 to 6/28/2024

CalibrationData:

Special Instructions:

Pittsburgh, PA (HQ) 800-393-4009
Atlanta, GA 866-620-6762
Exton, PA 866-648-8607
Houston, TX 866-323-4006
Kansas City, KS 866-580-5499
Los Angeles, CA 866-278-2382
Minneapolis, MN 866-580-5512
Seattle, WA 855-398-5600

GLS.

800-322-5555
www.gls-us.com

Ship From
SUN STAR LABS
WEST SACRAMENTO OFFICE
3140 BEACON BLVD
SUITE A
WEST SACRAMENTO, CA 95691

Tracking #: 561536234

PDS

Ship To
SUNSTAR LABORATORIES-SOUTH
SAMPLE RECEIVING
25712 COMMERCENTRE DR.
LAKE FOREST, CA 92630

LAKE FOREST

S10333A

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

10405258

Signature Type: NOT REQUIRED

ORC CA927-BA0

Print Date: 6/7/2024 7:00 AM

Package 22 of 25

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Printed: 7/2/2024 2:09:49PM

WORK ORDER

T242758

Client:	**Clark Seif Clark - Chatsworth**	**Project Manager:**	**Joann Marroquin**
Project:	**Playa Vista ES**	**Project Number:**	**4007359**

Report To:
Clark Seif Clark - Chatsworth
A. Garrett
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

Date Due:	07/12/24 00:00 (7 day TAT)		
Received By:	Paul Berner	Date Received:	07/02/24 10:45
Logged In By:	Karina Ortiz	Date Logged In:	07/02/24 13:49

Samples Received at:

Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	No		

Analysis	Due	TAT	Expires	Comments
T242758-01 M3-1A [Air] Sampled 06/28/24 08:17 (GMT-08:00) Pacific Time (US &				
TO-15	07/12/24 00:00	7	07/28/24 08:17	
T242758-02 M3-1B [Air] Sampled 06/28/24 08:03 (GMT-08:00) Pacific Time (US &				
TO-15	07/12/24 00:00	7	07/28/24 08:03	
T242758-03 M3-1B [Air] Sampled 06/28/24 08:09 (GMT-08:00) Pacific Time (US &				
TO-15	07/12/24 00:00	7	07/28/24 08:09	

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

21 January 2025

A. Garrett
Clark Seif Clark - Chatsworth
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

RE: Playa Vista ES

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 16:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lena Davidkov
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M3-1A	T250158-01	Air	01/13/25 12:01	01/13/25 16:15
M3-1A DUP	T250158-02	Air	01/13/25 12:07	01/13/25 16:15
M3-1B	T250158-03	Air	01/13/25 12:15	01/13/25 16:15
VD-1	T250158-04	Air	01/10/25 11:25	01/13/25 16:15
VA-7	T250158-05	Air	01/10/25 11:40	01/13/25 16:15

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lena Davidkov, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

DETECTIONS SUMMARY

Sample ID: M3-1A **Laboratory ID:** T250158-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Acetone	**6.9**	5.0	ppb(v)	TO-15	
Tetrachloroethene	**1.2**	1.0	ppb(v)	TO-15	

Sample ID: M3-1A DUP **Laboratory ID:** T250158-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon Disulfide	**1.0**	1.0	ppb(v)	TO-15	
Tetrachloroethene	**1.0**	1.0	ppb(v)	TO-15	

Sample ID: M3-1B **Laboratory ID:** T250158-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Acetone	**14**	5.0	ppb(v)	TO-15	

Sample ID: VD-1 **Laboratory ID:** T250158-04

No Results Detected

Sample ID: VA-7 **Laboratory ID:** T250158-05

No Results Detected

SunStar Laboratories, Inc.

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Lena Davidkov, Project Manager

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Providing Quality Analytical Services Nationwide

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949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

M3-1A

T250158-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Acetone	**6.9**	5.0	ppb(v)	1.89	25A0284	01/17/25	01/20/25	TO-15	
1,3-Butadiene	ND	2.0	"	"	"	"	"	"	
Carbon Disulfide	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"	"	"	"	"	"	
Isopropyl alcohol	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
Cyclohexane	ND	1.0	"	"	"	"	"	"	
Heptane	ND	1.0	"	"	"	"	"	"	
Hexane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Lena Davidkov, Project Manager

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

M3-1A

T250158-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Methylene chloride	ND	7.5	ppb(v)	1.89	25A0284	01/17/25	01/20/25	TO-15	O-01
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.2**	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl acetate	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,4-Dioxane	ND	5.0	"	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*59.2-130*		"	"	"	"	

SunStar Laboratories, Inc.

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Lena Davidkov, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

M3-1A DUP

T250158-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Acetone	ND	5.0	ppb(v)	1.65	25A0284	01/17/25	01/20/25	TO-15	
1,3-Butadiene	ND	2.0	"	"	"	"	"	"	
Carbon Disulfide	**1.0**	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"	"	"	"	"	"	
Isopropyl alcohol	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
Cyclohexane	ND	1.0	"	"	"	"	"	"	
Heptane	ND	1.0	"	"	"	"	"	"	
Hexane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Lena Davidkov, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

M3-1A DUP

T250158-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Methylene chloride	ND	7.5	ppb(v)	1.65	25A0284	01/17/25	01/20/25	TO-15	O-01
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.0**	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl acetate	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,4-Dioxane	ND	5.0	"	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.3 %*	*59.2-130*		"	"	"	"	

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Lena Davidkov, Project Manager

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Providing Quality Analytical Services Nationwide

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

M3-1B

T250158-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Acetone	**14**	5.0	ppb(v)	1.74	25A0284	01/17/25	01/20/25	TO-15	
1,3-Butadiene	ND	2.0	"	"	"	"	"	"	
Carbon Disulfide	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"	"	"	"	"	"	
Isopropyl alcohol	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
Cyclohexane	ND	1.0	"	"	"	"	"	"	
Heptane	ND	1.0	"	"	"	"	"	"	
Hexane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

M3-1B

T250158-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Methylene chloride	ND	7.5	ppb(v)	1.74	25A0284	01/17/25	01/20/25	TO-15	O-01
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl acetate	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,4-Dioxane	ND	5.0	"	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*59.2-130*		"	"	"	"	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

VD-1

T250158-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Total Volatile Organic Compounds by TO-3 (modified)									
C6-C12 (GRO)	ND	2000	ppb(v)	1.44	25A0285	01/17/25	01/17/25	TO-3/TO-14 m	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

VA-7

T250158-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Total Volatile Organic Compounds by TO-3 (modified)									
C6-C12 (GRO)	ND	2000	ppb(v)	1.71	25A0285	01/17/25	01/17/25	TO-3/TO-14 m	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25A0284 - Canister Analysis										
Blank (25A0284-BLK1)				Prepared: 01/17/25 Analyzed: 01/20/25						
Acetone	ND	5.0	ppb(v)							
1,3-Butadiene	ND	2.0	"							
Carbon Disulfide	ND	1.0	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	1.0	"							
Isopropyl alcohol	ND	5.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	5.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	5.0	"							
Cyclohexane	ND	1.0	"							
Heptane	ND	1.0	"							
Hexane	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
4-Ethyltoluene	ND	1.0	"							
Methylene chloride	ND	7.5	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrahydrofuran	ND	1.0	"							

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25A0284 - Canister Analysis										
Blank (25A0284-BLK1)				Prepared: 01/17/25 Analyzed: 01/20/25						
Tetrachloroethene	ND	1.0	ppb(v)							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl acetate	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
1,4-Dioxane	ND	5.0	"							
2-Butanone (MEK)	ND	5.0	"							
Methyl isobutyl ketone	ND	10	"							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
Surrogate: 4-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*59.2-130*			
Duplicate (25A0284-DUP1)		**Source: T250167-02**		Prepared: 01/17/25 Analyzed: 01/20/25						
Acetone	13.7	5.0	ppb(v)		14.5			5.86	30	
1,3-Butadiene	ND	2.0	"		ND				30	
Carbon Disulfide	ND	1.0	"		ND				30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	3.54	1.0	"		3.64			2.94	30	
Isopropyl alcohol	ND	5.0	"		ND				30	
Bromodichloromethane	ND	1.0	"		ND				30	
Bromoform	ND	1.0	"		ND				30	
Bromomethane	ND	5.0	"		ND				30	
Carbon tetrachloride	ND	1.0	"		ND				30	
Chlorobenzene	ND	1.0	"		ND				30	
Chloroethane	ND	1.0	"		ND				30	
Chloroform	0.986	1.0	"		0.933			5.50	30	
Chloromethane	ND	5.0	"		ND				30	
Cyclohexane	ND	1.0	"		ND				30	
Heptane	ND	1.0	"		ND				30	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25A0284 - Canister Analysis										
Duplicate (25A0284-DUP1)		**Source: T250167-02**		Prepared: 01/17/25 Analyzed: 01/20/25						
Hexane	2.80	1.0	ppb(v)		2.52			10.6	30	
Dibromochloromethane	ND	1.0	"		ND				30	
1,2-Dibromoethane (EDB)	ND	1.0	"		ND				30	
1,2-Dichlorobenzene	ND	5.0	"		ND				30	
1,3-Dichlorobenzene	ND	5.0	"		ND				30	
1,4-Dichlorobenzene	ND	5.0	"		ND				30	
Dichlorodifluoromethane	1.11	1.0	"		1.09			1.60	30	
1,1-Dichloroethane	ND	1.0	"		ND				30	
1,2-Dichloroethane	ND	1.0	"		ND				30	
1,1-Dichloroethene	ND	1.0	"		ND				30	
cis-1,2-Dichloroethene	1.85	1.0	"		1.90			2.82	30	
trans-1,2-Dichloroethene	ND	1.0	"		ND				30	
1,2-Dichloropropane	ND	1.0	"		ND				30	
cis-1,3-Dichloropropene	ND	1.0	"		ND				30	
trans-1,3-Dichloropropene	ND	1.0	"		ND				30	
4-Ethyltoluene	0.458	1.0	"		0.405			12.2	30	
Methylene chloride	4.68	7.5	"		11.1			81.6	30	DUP-01, O-01
Styrene	1.13	1.0	"		0.986			13.3	30	
1,1,2,2-Tetrachloroethane	ND	1.0	"		ND				30	
Tetrahydrofuran	6.93	1.0	"		6.60			4.94	30	
Tetrachloroethene	19.9	1.0	"		19.2			3.87	30	
1,1,2-Trichloroethane	ND	1.0	"		ND				30	
1,1,1-Trichloroethane	ND	1.0	"		ND				30	
Trichloroethene	21.4	1.0	"		21.3			0.577	30	
Trichlorofluoromethane	2.24	1.0	"		2.29			2.33	30	
1,3,5-Trimethylbenzene	0.387	1.0	"		ND				30	
1,2,4-Trimethylbenzene	1.23	1.0	"		1.13			8.96	30	
Vinyl acetate	ND	1.0	"		ND				30	
Vinyl chloride	ND	1.0	"		ND				30	
1,4-Dioxane	ND	5.0	"		ND				30	
2-Butanone (MEK)	2.69	5.0	"		2.75			1.94	30	
Methyl isobutyl ketone	ND	10	"		ND				30	
Benzene	2.27	1.0	"		2.29			0.772	30	
Toluene	4.75	1.0	"		4.66			1.87	30	
Ethylbenzene	1.39	1.0	"		1.23			12.1	30	

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25A0284 - Canister Analysis										
Duplicate (25A0284-DUP1)		**Source: T250167-02**		Prepared: 01/17/25 Analyzed: 01/20/25						
m,p-Xylene	4.54	2.0	ppb(v)		4.21			7.65	30	
o-Xylene	1.25	1.0	"		1.16			7.30	30	
Surrogate: 4-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*59.2-130*			

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

Total Volatile Organic Compounds by TO-3 (modified) - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25A0285 - Canister Analysis										
Blank (25A0285-BLK1)				Prepared & Analyzed: 01/17/25						
C6-C12 (GRO)	ND	2000	ppb(v)							
LCS (25A0285-BS1)				Prepared & Analyzed: 01/17/25						
C6-C12 (GRO)	5210	2000	ppb(v)	5000		104	70-130			
Duplicate (25A0285-DUP1)		**Source: T250167-02**		Prepared & Analyzed: 01/17/25						
C6-C12 (GRO)	ND	2000	ppb(v)		ND				30	

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Clark Seif Clark - Chatsworth	Project: Playa Vista ES	
21732 Devonshire Street, 2nd Floor	Project Number: 4007359	**Reported:**
Chatsworth CA, 91311	Project Manager: A. Garrett	01/21/25 14:32

Notes and Definitions

O-01	This compound is a common laboratory contaminant.
DUP-01	The RPD result exceeded the QC control limits for this analyte; sample results for the QC batch were accepted based on acceptable RPD for remaining analytes as well as acceptable BS and/or CCV recoveries.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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AIR LABORATORY

Chain of Custody Record

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Client: CSC
Address: 4010 Watson Plaza Dr. 120 Lakewood
Phone: (562) 420-0000 Email:
Project Manager: A Garrett

Date: 1-13-25 Page: 1 Of 1
Project Name: Playa Vista Elementary School
Collector: A Garrett Client Project #: 4007359
Batch #: T250158 EDF #:

Sample ID	Date Sampled	Start Time	Finish Time	Sample Type : Soil Gas / Indoor Air	Container Type: Summa Canister / Tedlar	Initial Pressure	Final Pressure	Received Pressure	TO-3	TO-15	TO-15 SIM	Fixed Gases	Methane by GC-FID	RSK-175	Summa Can, Manifold # / Comments	Laboratory ID #
M3-1A	1-13-25	1155	1201	Soil Gas	Summa	-30	-5	-5			X				0608, 8755	01
M3-1A DUP	"	1201	1207			-30	-5	-5			X				0837 8756	02
M3-1B	"	1208	1215			-30	-5	-5			X				0382 8698	03
VD-1	1-10-25	1115	1125			-30	-5	-5	X						0602, 8674	04
VA-7	"	1130	1140			-30	-5	-5	X						0703, 8658	05

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	1-13-25 1508	[signature]	1-13-25 15:08
[signature]	1-13-25 16:15	[signature]	1/13/25 1615

Total # of containers: 4
Chain of Custody seals Y/N/NA: NA
Seals intact? Y/N/NA: NA
Received good condition/cold: ✓

Turn around time: STD

Notes

* TO-15 SIM analysis available upon prior notification. **(Precertified Summa cans needed)**

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Receiving Form 001A

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T250158

Client Name: CSC Project: Playa Vista Elementary Scho

Delivered by: ☐ Client ☒ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: Travis Date/Time Courier Received: 1.13.25 1508

Lab Received by: Mike Date/Time Lab Received: 1-13-25 1615

Total number of coolers received: N/A Thermometer ID: SC-1 Calibration due: 11/19/2025

Temperature: Cooler #1	°C +/- the CF (+ 0.1°C) =	°C corrected temperature	
Temperature: Cooler #2	°C +/- the CF (+ 0.1°C) =	°C corrected temperature	
Temperature: Cooler #3	°C +/- the CF (+ 0.1°C) =	°C corrected temperature	
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☐ **Yes** ☐ **No** ☒ **N/A**	
If NO:			
Samples received on ice?	☐ Yes	☐ **No → Complete Non-Conformance Sheet**	
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**	

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☒ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☒ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: DB 1.13.25

Comments:

Rev. 03 Date 11/24

(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Project Name: PN 4007359	Irma
Company: CSC	DB
Name: AARON GARRETT	

Item		Quantity	Unit	
2 oz Jars 24/CS				
4 oz Jars 24/CS				
8 oz Jars 12/CS				
40 ml unpreserved VOAs 100/box				
40 ml HCL-preserved VOAs 72/box				
250 ml Poly 24/CS				
500 ml Poly 16/CS				
1 Liter Poly 12/CS				
500 ml Amber Bottle Wide 12/CS				
1 Liter Amber Bottle 12/CS				
1 Gallon Poly 4/box				
5035 kits:(2)Sodium Bisulfate VOAs 72/box				
	(1) Methanol VOA 72/box			
	(1) TERRACORE			
Lock-N-Load Handle 1/ea				
Tedlar Bags 10/pack				
Sub Slab Insert w/ washer & N/F				
Soil Gas SS 16" Drop Tubes				
Gas Extraction Fittings				
Soil Gas Filters				

	Volume of Summa	# Sent	Used	Unused	Unreturned
Batch Certified Summa Canisters	400cc				
	1L	5+1	charge 5	1	0
	3L				
	6L				
Purge cans					
Nitrogen cans	400cc				
Ind. Cerified Summa Cannisters	1L				
	3L				
	6L				

63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0				ML
Manifolds: Inst. Sampler, Variable Sampler, Shut In Set Ups, 150ml/mn, 63ml/mn	5 (150)	charge 4	0	0
Swagelok Fittings: Nuts/Ferrules, Ts	5 NF	charge 5		
Cooler (Sm, Med, Lrg) Number & Quantity				
Other: Poly Tube, Valves,Silicon Tape, etc.				

Prepared By:	ML	**Date:**	12/31/24
Reviewed By:		**Date:**	

Comments:

Cooler Policy: Failure to return cooler(s) within 30 days of receipt or if the returned cooler(s) are in unusable condition, will result in a $50 per cooler fee for replacement costs.

Check In Report

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
8756	150 cc	1/10/2025	1/13/2025 04:21 PM		Dave	SunStar Labs South		
0602	1000 cc	1/10/2025	1/13/2025 04:21 PM		Dave	SunStar Labs South		
0703	1000 cc	1/10/2025	1/13/2025 04:21 PM		Dave	SunStar Labs South		
8674	150 cc	1/10/2025	1/13/2025 04:21 PM		Dave	SunStar Labs South		
8658	150 cc	1/10/2025	1/13/2025 04:21 PM		Dave	SunStar Labs South		
8698	150 cc	1/10/2025	1/13/2025 04:21 PM		Dave	SunStar Labs South		
8742	150 cc	1/10/2025	1/13/2025 04:21 PM		Dave	SunStar Labs South		
0608	1000 cc	1/10/2025	1/13/2025 04:22 PM		Dave	SunStar Labs South		
0382	1000 cc	1/10/2025	1/13/2025 04:22 PM		Dave	SunStar Labs South		
0837	1000 cc	1/10/2025	1/13/2025 04:22 PM		Dave	SunStar Labs South		
0815	1000 cc	1/10/2025	1/13/2025 04:22 PM		Dave	SunStar Labs South		

Date Printed: 1/13/2025

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Printed: 1/13/2025 5:41:28PM

WORK ORDER

T250158

Client:	**Clark Seif Clark - Chatsworth**	**Project Manager:**	**Lena Davidkov**
Project:	**Playa Vista ES**	**Project Number:**	**4007359**

Report To:

Clark Seif Clark - Chatsworth
A. Garrett
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

Date Due:	01/23/25 00:00 (7 day TAT)		
Received By:	Michael Leventhal	Date Received:	01/13/25 16:15
Logged In By:	Karina Ortiz	Date Logged In:	01/13/25 17:09

Samples Received at:

Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirme	No		

Analysis	Due	TAT	Expires	Comments
T250158-01 M3-1A [Air] Sampled 01/13/25 12:01 (GMT-08:00) Pacific Time (US &				
TO-15	01/23/25 00:00	7	02/12/25 12:01	
T250158-02 M3-1A DUP [Air] Sampled 01/13/25 12:07 (GMT-08:00) Pacific Time (US &				
TO-15	01/23/25 00:00	7	02/12/25 12:07	
T250158-03 M3-1B [Air] Sampled 01/13/25 12:15 (GMT-08:00) Pacific Time (US &				
TO-15	01/23/25 00:00	7	02/12/25 12:15	
T250158-04 VD-1 [Air] Sampled 01/10/25 11:25 (GMT-08:00) Pacific Time (US &				
TO-3	01/23/25 00:00	7	02/09/25 11:25	
T250158-05 VA-7 [Air] Sampled 01/10/25 11:40 (GMT-08:00) Pacific Time (US &				
TO-3	01/23/25 00:00	7	02/09/25 11:40	

Reviewed By

Date

ALS Environmental
2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T +1 805 526 7161

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LABORATORY REPORT

March 6, 2025

Aaron Garrett
Clark Seif Clark, Inc.
4010 Watson Plaza Dr., #170
Lakewood, CA 90712

RE: Playa Vista Elementary School / 4007359

Dear Aaron:

Enclosed are the results of the sample submitted to our laboratory on February 27, 2025. For your reference, these analyses have been assigned our service request number P2500712.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

ALS | Environmental

By Christina Anaya at 10:44 am, Mar 06, 2025

Christina Anaya
Project Manager

ALS Environmental
2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T +1 805 526 7161

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right partner.

Client: Clark Seif Clark, Inc. Service Request No: P2500712
Project: Playa Vista Elementary School / 4007359

CASE NARRATIVE

The sample was received intact under chain of custody on February 27, 2025 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

The bag was found to be leaking, per client instruction the analyses were run and reported.

Hydrogen Sulfide Analysis

The sample was analyzed for hydrogen sulfide per modified SCAQMD Method 307-91 and ASTM D 5504-20 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). Method ASTM D 5504-20 is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP accreditation. Method SCAQMD 307-91 is not included on the laboratory's NELAP or DoD-ELAP accreditation.

The analysis was performed soon after sample receipt therefore the data may not have been impacted by the bag anomaly.

Methane Analysis

The sample was also analyzed for methane per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TO3C1C6. This method is included on the laboratory's DoD-ELAP scope of accreditation, however it is not part of the NELAP accreditation.

The initial analysis was over range and had to be rerun at a dilution. Due to insufficient remaining volume the sample could not be reanalyzed for confirmation.

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CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	https://dec.alaska.gov/spar/csp/lab-approval/list-of-approved-labs	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	https://internet.deq.louisiana.gov/portal/divisions/lelap/accredited-laboratories	203013
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtm	CA012627
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	006-999-456
New Jersey DEP (NELAP)	https://dep.nj.gov/dsr/oqa/certified-laboratories/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oklahoma DEQ (NELAP)	labaccreditation.deq.ok.gov/labaccreditation/	2207
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068
Pennsylvania DEP	hhttp://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration only)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413
Utah DOH (NELAP)	https://uphl.utah.gov/certifications/environmental-laboratory-certification/	CA01627
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Clark Seif Clark, Inc.

Service Request: P2500712

Project ID: Playa Vista Elementary School / 4007359

Date Received: 2/27/2025

Time Received: 10:13

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	TO-3 Modified - C1C6+ Bag	ASTM D 5504-20 - Sulfur Bag
SV3-3	P2500712-001	Air	2/27/2025	09:00	X	X

ALS Environmental

2655 Park Center Drive, Suite A
Simi Valley, CA 93065
Phone (805) 526-7161

Air - Chain of Custody Record & Analytical Service Request

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. R2580712

ALS Contact:

Company Name & Address (Reporting Information): Clark Seif Clark, Chatsworth, CA

Project Name: Playa Vista Elementary School

Project Number:

Project Manager: Jeff Banna

P.O. # / Billing Information:

Phone: 818-727-2553

Fax:

Email Address for Result Reporting: jbanna@CSCeng.com

Sampler (Print & Sign): Jeff Banna

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Analysis Method: Methane	Analysis Method: H2S	Comments e.g. Actual Preservative or specific instructions
SV3-3		2-27-25	0900					Tedlar	X	X	
END											

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	2-27-25	1013	2-27	-25	1013
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____°C

Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Detailed Terms & Conditions can be reviewed at the link below:
https://www.alsglobal.com/ALSGroupUSACorpTC

ALS Environmental
Sample Acceptance Check Form

Client: Clark Seif Clark, Inc. Work order: P2500712

Project: Playa Vista Elementary School / 4007359

Sample(s) received on: 2/27/25 Date opened: 2/27/25 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒
12	Lab Notification: Analyst and PM were alerted of Short HT or RUSH samples?	☒	☐	☐
13	Client Notification: Client has been notified regarding HT exceedances and/or other CoC discrepancies?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2500712-001.01	1.0 L Tedlar Bag					

Explain any discrepancies: (include lab sample ID numbers): _____

Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Clark Seif Clark, Inc.**
Client Project ID: **Playa Vista Elementary School / 4007359** ALS Project ID: P2500712

Hydrogen Sulfide

Test Code: ASTM D 5504-20
Instrument ID: Agilent 7890A/GC22/SCD
Analyst: Gilbert Gutierrez
Sample Type: 1.0 L Tedlar Bag(s)
Test Notes:

Date(s) Collected: 2/27/25
Date Received: 2/27/25
Date Analyzed: 2/27/25

Client Sample ID	ALS Sample ID	Injection Volume ml(s)	Time Analyzed	**Result µg/m³**	MRL µg/m³	**Result ppbV**	MRL ppbV	Data Qualifier
SV3-3	P2500712-001	1.0	10:40	ND	7.0	ND	5.0	
Method Blank	P250227-MB	1.0	09:51	ND	7.0	ND	5.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Client: **Clark Seif Clark, Inc.**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID: **Playa Vista Elementary School / 4007359**

ALS Project ID: P2500712
ALS Sample ID: P250227-DLCS

Test Code: ASTM D 5504-20
Instrument ID: Agilent 7890A/GC22/SCD
Analyst: Gilbert Gutierrez
Sample Type: 1.0 L Tedlar Bag
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 2/27/25
Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount LCS / DLCS ppbV	Result LCS ppbV	Result DLCS ppbV	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
7783-06-4	Hydrogen Sulfide	1,000	787	794	**79**	**79**	72-122	0	18	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Clark Seif Clark, Inc.**
Client Project ID: **Playa Vista Elementary School / 4007359** ALS Project ID: P2500712

Methane

Test Code: EPA TO-3 Modified
Instrument ID: HP5890 II/GC8/FID
Analyst: Stephanie Reynoso
Sampling Media: 1.0 L Tedlar Bag(s)
Test Notes:

Date(s) Collected: 2/27/25
Date Received: 2/27/25
Date Analyzed: 2/27/25

Client Sample ID	ALS Sample ID	Injection Volume ml(s)	**Result ppmV**	MRL ppmV	Data Qualifier
SV3-3	P2500712-001	0.050	**60,000**	10	
Method Blank	P250227-MB	1.0	ND	0.50	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Client: **Clark Seif Clark, Inc.**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID: **Playa Vista Elementary School / 4007359**

ALS Project ID: P2500712
ALS Sample ID: P250227-DLCS

Test Code: EPA TO-3 Modified
Instrument ID: HP5890 II/GC8/FID
Analyst: Stephanie Reynoso
Sampling Media: 1.0 L Tedlar Bag
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 2/27/25
Volume(s) Analyzed: NA ml(s)

Compound	Spike Amount LCS / DLCS ppmV	Result LCS ppmV	Result DLCS ppmV	**% Recovery LCS**	**% Recovery DLCS**	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
Methane	1,000	1,070	1,080	**107**	**108**	87-111	0.9	5	

Appendix F

Maintenance and Incident Logs

COMPONENT	PREVENTATIVE MAINTENANCE		REPAIRS / REPLACEMENT	
NAME	DATE	FINDINGS/ACTION	DATE	CORRECTIVE ACTION
Blower #1	12/14/2014 3/9/2015 7/6/2021	105scfm at 3.2"WC Programmed automatic monthly exercise Programmed automatic weekly exercise		
Blower #2	12/14/2014 3/9/2015 7/6/2021	140scfm at 2.8"WC Programmed automatic monthly exercise Programmed automatic weekly exercise		
Blower #3	12/14/2014 3/9/2015 7/6/2021	70scfm at 3.0"WC Programmed automatic monthly exercise Programmed automatic weekly exercise		
Sampling Pump #M2-1	12/14/2014 3/26/2015 4/1/2015	70scfh at 0"Hg (pre-fix) 180scfh at 21.5"Hg(post) Diaphragms inspected 180 scfh	4/16/2012 7/3/2013 8/6/2013 2/12/2014 6/17/2014 12/14/2014 2/5/2015 3/18/2015 2/2/2016 8/2/16 9/11/20 1/3/25	Replaced diaphragms Replaced diaphragms Replaced pump with rebuild Replaced diaphragms Replaced pump with rebuild Replaced diaphragms Replaced pump with rebuild Repaired broken underground sampling line M21C Replaced diaphragms Replaced diaphragms Replaced pump with rebuild Replaced pump with new pump
Sampling Pump #M3-1	12/14/2014 4/1/2015	100scfh at 13"Hg 180 scfh	4/13/2012 9/27/2012 3/26/2015 2/15/2017 2/21/2018 9/11/2020 3/11/2021 12/6/2021 6/20/24 2/3/2025	Replaced diaphragms Replaced diaphragms and #3 plate screw Replaced pump with rebuild Replaced pump with rebuild Replaced pump with rebuild (modified plates) Replaced pump with rebuild Replaced pump with rebuild Replaced pump with rebuild Replaced pump with new pump Replaced pressure switch
Sampling Pump #M3-2	12/14/2014 4/1/2015	190scfh at 20.5"Hg 190 scfh	4/13/2012 10/13/2012 10/15/2012 1/10/2013 2/21/2018 7/27/2018 7/17/2019 3/11/2021 1/3/25	Replaced diaphragms Replaced #2 plate screw Replaced #2 diaphragms and plate Replaced pump with rebuild Replaced pump with rebuild Replaced pump with rebuild Rewire to bypass UPS unit Replaced pump with rebuild Replaced pump with new pump
CH4 Sensor #M2-1				
CH4 Sensor #M3-1				
CH4 Sensor #M3-2				
H2S Sensor #M2-1	12/20/2017 6/22/2023	Replaced sensor Repalced sensor		
H2S Sensor #M3-1	6/22/2023	Replaced sensor		
H2S Sensor #M3-2	12/4/2019 6/22/2023	Replaced sensor Repalced sensor		
UPS - M2 Simplex Panel				
UPS - M3 Duplex Panel				
UPS - HMI Cabinet			1/26/2016 6/19/2017	Replaced battery Rebooted computer program software
UPS - Admin Display Panel			11/24/2015 5/31/2023	Replaced battery Replaced battery
Emergency Gen Set	6/19/2014	Automatic weekly testing	6/19/2014	Replaced Automatic Transfer Switch
M2 Panel Controls	12/28/2020	Low capacity in UPS battery	7/6/2021	Rewire to bypass UPS unit
M3 Panel Controls	7/11/2019	Low capacity in UPS battery	7/17/2019	Rewire to bypass UPS unit
HMI Computer	12/28/2020	unresponsive	11/24/2015 6/19/2017 7/6/2021	Replaced UPS battery Hard reboot of system software Computer needs operating system
Admin Dsply Pnl Cntrls	12/14/2014 11/2021	No central alarm service No central alarm service	3/9/2016 7/6/2021 3/31/2022	Replaced autodialer Restored central alarm service Restored central alarm service
Pkg Grg Panel Controls				
Blwr Pnl #1 Controls				
Blwr Pnl #2 Controls				
Blwr Pnl #3 Controls				
Blwr #3 flow gage	2017	low flow	12/21/2017	replaced flow gage
Blwr #2	2020 2021	mechanical issues mechanical issues	8/11/2020 3/2022	repaired mechanical issue repaired mechanical issue
Vent Riser VL-8	12/28/2020	Reduced flow during active monitoring	7/13/2021	Vent connectivity testing, adequate flow observed
Vent Riser VD-1	12/28/2020	Reduced flow during active monitoring	7/13/2021	Vent connectivity testing, adequate flow observed
Vent Riser VD-2	12/28/2020	Plugged sample port	7/13/2021	unplugged sample port
Vent Riser VC-3	7/14/2019	Overgrown brush prevented access	6/27/2025	Vent accessible, brush removed