



May 13, 2026  
Jeff Beecher  
San Joaquin Refining Co. Inc.

**Subject: San Joaquin Refining Co. Inc. Fence-line Monitoring Program  
Report Summarizing Periods When Systems Were Inoperative  
Quarter 1 2026**

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Dear Jeff Beecher

Argos Scientific, Inc. is pleased to submit this quarterly report associated with the fence-line air monitoring program at San Joaquin Refining Co. Inc. (SJR). This report has been prepared in accordance with San Joaquin Valley Air Pollution Control District's Rule 4460 and the program's Quality Assurance Project Plan (QAPP) for quarterly reporting.

The fence-line air monitoring data for SJR was made publicly available on August 26, 2025, providing real-time air quality information to the surrounding community. This report covers the time period for January 1, 2026 to March 31, 2026 and includes the details of the time periods when the systems were inoperative.

The monitoring network currently includes three open-path UV DOAS systems, two point monitor systems and one meteorological (MET) station. The systems were installed as outlined in the QAPP around the refinery perimeter and are depicted in Figure 1. Table 1 details the measurements recorded at each monitoring location.

The public-facing community website, where live data and visualizations can be accessed, is available at: <https://sjr.argos-scientific.com/>.

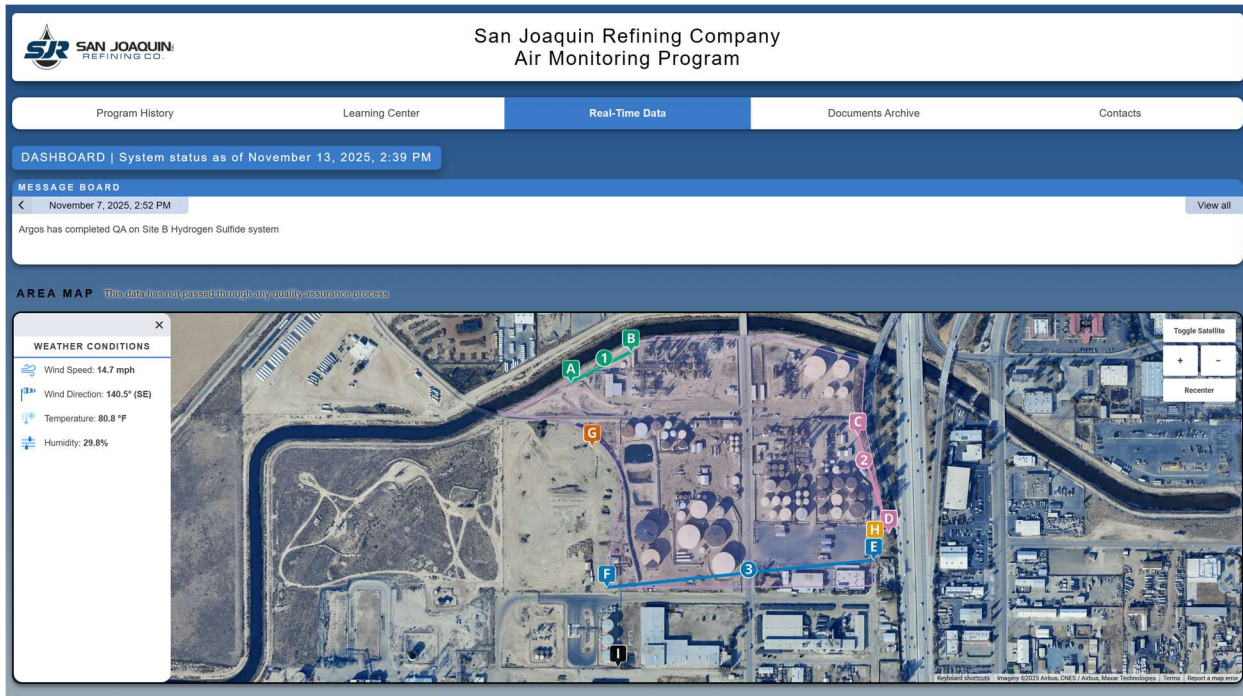


Figure 1: Community Website Landing Page

Table 1: Monitoring Site Locations

Site	Equipment	Measurements
Path 1 (Site A to Site B)	Open-path UV DOAS	Benzene, toluene, ethylbenzene, xylenes, sulfur dioxide, nitrogen dioxide, naphthalene
Site B	H2S point monitor	Hydrogen sulfide
Path 2 (Site C to Site D)	Open-path UV DOAS	Benzene, toluene, ethylbenzene, xylenes, sulfur dioxide, nitrogen dioxide, naphthalene
Path 3 (Site E to Site F)	Open-path UV DOAS	Benzene, toluene, ethylbenzene, xylenes, sulfur dioxide, nitrogen dioxide, naphthalene
Site G	MET Station	Wind speed, wind direction, temperature, humidity
Site H	H2S point monitor	Hydrogen sulfide
Site I*	H2S and SO2 point monitor	Hydrogen sulfide, sulfur dioxide

\*Site I is in the installation and commissioning phase

## Path 1 Open-path UV DOAS Missing Data Points

Start Date/Time	End Date/Time	Number of 5-minute Data Points Missing	Reason for Missing Data Points
01/04/2026 05:05	01/04/2026 05:10	1	System Check
01/05/2026 06:25	01/05/2026 06:35	2	Maintenance - System Realignment
01/08/2026 07:20	01/08/2026 08:00	8	Routine QA
01/11/2026 04:50	01/11/2026 05:10	4	Maintenance - System Realignment
01/13/2026 02:15	01/13/2026 02:20	1	System Check
01/19/2026 20:20	01/19/2026 20:25	1	System Check
01/19/2026 20:40	01/19/2026 20:45	1	System Check
01/30/2026 19:35	01/30/2026 19:40	1	System Check
02/06/2026 09:00	02/06/2026 11:20	28	Routine QA
02/14/2026 13:30	02/14/2026 13:35	1	System Check
02/16/2026 08:10	02/16/2026 09:05	11	Instrument Down - Power Disconnected at the Refinery
02/18/2026 15:20	02/18/2026 15:25	1	System Check
02/18/2026 18:50	02/18/2026 18:55	1	System Check
02/19/2026 09:00	02/19/2026 10:45	21	Maintenance - Actuator Troubleshooting
02/21/2026 03:10	02/21/2026 03:20	2	Maintenance - System Realignment
02/25/2026 05:45	02/25/2026 05:50	1	System Check
02/25/2026 05:55	02/25/2026 06:05	2	Maintenance - Actuator Troubleshooting
02/25/2026 08:50	02/25/2026 09:05	3	Maintenance - Actuator Troubleshooting
02/25/2026 23:45	02/26/2026 00:00	3	Maintenance - Actuator Troubleshooting
02/26/2026 10:20	02/26/2026 10:25	1	System Check
02/27/2026 04:35	02/27/2026 04:40	1	System Check
02/28/2026 05:45	02/28/2026 08:40	35	Instrument Down - Software Issue
03/03/2026 11:20	03/03/2026 11:25	1	System Check
03/07/2026 14:35	03/07/2026 14:40	1	System Check
03/14/2026 00:45	03/14/2026 00:50	1	System Check
03/17/2026 02:35	03/17/2026 02:40	1	System Check
03/18/2026 07:05	03/18/2026 07:10	1	System Check
03/20/2026 08:40	03/20/2026 09:45	13	Routine QA
03/20/2026 10:55	03/20/2026 12:05	14	Maintenance - Actuator Check
03/20/2026 15:10	03/20/2026 15:30	4	Maintenance - System Realignment
03/22/2026 19:55	03/22/2026 20:00	1	System Check
03/25/2026 14:55	03/25/2026 19:05	50	Maintenance - Actuator Replacement
03/26/2026 12:25	03/26/2026 12:35	2	Routine QA
03/27/2026 07:10	03/27/2026 07:30	4	Maintenance - System Realignment
03/30/2026 16:30	03/30/2026 17:15	9	Instrument Down - Self Resolved

## Path 2 Open-path UV DOAS Missing Data Points

Start Date/Time	End Date/Time	Number of 5-minute Data Points Missing	Reason for Missing Data Points
01/05/2026 09:25	01/05/2026 09:30	1	System Check
01/08/2026 08:30	01/08/2026 09:00	6	Routine QA
01/09/2026 00:00	01/09/2026 00:05	1	System Check
01/18/2026 07:45	01/18/2026 07:50	1	System Check
01/18/2026 08:00	01/18/2026 08:05	1	System Check
01/27/2026 17:25	01/27/2026 17:30	1	System Check
02/06/2026 08:20	02/06/2026 08:25	1	System Check
02/06/2026 11:30	02/06/2026 12:00	6	Routine QA
02/06/2026 14:20	02/06/2026 14:45	5	Routine QA
02/09/2026 00:45	02/09/2026 00:50	1	System Check
02/18/2026 15:25	02/18/2026 15:30	1	System Check
02/21/2026 02:00	02/21/2026 02:05	1	System Check
02/21/2026 03:35	02/21/2026 03:40	1	System Check
02/21/2026 08:40	02/21/2026 08:45	1	System Check
02/21/2026 12:00	02/21/2026 12:05	1	System Check
02/21/2026 13:55	02/21/2026 14:00	1	System Check
02/21/2026 15:25	02/21/2026 15:30	1	System Check
02/25/2026 07:45	02/25/2026 07:50	1	System Check
02/26/2026 07:20	02/26/2026 07:50	6	Routine QA
03/03/2026 04:40	03/03/2026 04:45	1	System Check
03/04/2026 16:10	03/04/2026 16:20	2	Routine QA
03/05/2026 16:15	03/05/2026 16:20	1	Routine QA
03/06/2026 01:20	03/06/2026 01:50	6	Routine QA
03/10/2026 16:40	03/10/2026 17:40	12	Routine QA
03/11/2026 07:30	03/11/2026 08:05	7	Routine QA
03/16/2026 08:20	03/16/2026 08:25	1	System Check
03/20/2026 09:45	03/20/2026 09:55	2	Routine QA
03/20/2026 12:15	03/20/2026 14:20	25	Maintenance - System Test
03/20/2026 15:05	03/20/2026 16:40	19	Maintenance - System Test
03/23/2026 02:25	03/23/2026 03:20	11	Routine Quarterly QA
03/25/2026 14:05	03/25/2026 15:25	16	Maintenance - System Test
03/25/2026 16:20	03/25/2026 17:05	9	Maintenance - System Realignment
03/28/2026 22:40	03/28/2026 22:45	1	System Check

## Path 3 Open-path UV DOAS Missing Data Points

Start Date/Time	End Date/Time	Number of 5-minute Data Points Missing	Reason for Missing Data Points
01/05/2026 06:20	01/05/2026 06:25	1	System Check
01/05/2026 10:00	01/05/2026 10:05	1	System Check
01/05/2026 10:25	01/05/2026 10:30	1	Maintenance - System Realignment
01/05/2026 22:00	01/05/2026 22:10	2	Maintenance - System Realignment
01/06/2026 14:40	01/06/2026 14:50	2	Maintenance - System Realignment
01/07/2026 00:35	01/07/2026 00:40	1	System Check
01/07/2026 14:25	01/07/2026 14:30	1	System Check
01/07/2026 22:10	01/07/2026 22:15	1	System Check
01/08/2026 16:00	01/08/2026 16:05	1	System Check
01/09/2026 05:05	01/09/2026 05:50	9	Routine QA
01/09/2026 12:20	01/09/2026 12:30	2	Maintenance - System Realignment
01/11/2026 04:45	01/11/2026 04:50	1	Maintenance - System Realignment
01/11/2026 21:20	01/11/2026 21:25	1	Maintenance - System Realignment
01/12/2026 08:40	01/12/2026 08:45	1	System Check
01/12/2026 14:00	01/12/2026 14:10	2	Maintenance - Remote Realignment
01/12/2026 21:20	01/12/2026 21:25	1	System Check
01/13/2026 10:15	01/13/2026 10:20	1	System Check
01/14/2026 00:50	01/14/2026 00:55	1	System Check
01/14/2026 12:00	01/14/2026 12:10	2	Maintenance - Remote Realignment
01/15/2026 04:55	01/15/2026 05:05	2	Maintenance - Remote Realignment
01/15/2026 10:20	01/15/2026 10:25	1	System Check
01/18/2026 02:55	01/18/2026 03:00	1	System Check
01/18/2026 23:50	01/18/2026 23:55	1	System Check
01/21/2026 14:00	01/21/2026 14:10	2	Maintenance - System Realignment
01/22/2026 02:55	01/22/2026 03:10	3	Maintenance - System Realignment
01/22/2026 14:40	01/22/2026 14:50	2	Maintenance - System Realignment
01/22/2026 22:15	01/22/2026 22:25	2	Maintenance - System Realignment
01/23/2026 05:10	01/23/2026 05:15	1	System Check
01/23/2026 08:50	01/23/2026 09:00	2	Maintenance - System Realignment
01/23/2026 11:40	01/23/2026 11:55	3	Maintenance - System Realignment
01/26/2026 22:00	01/26/2026 22:05	1	System Check
01/26/2026 22:20	01/26/2026 22:25	1	System Check
01/27/2026 06:45	01/27/2026 06:50	1	System Check
01/27/2026 15:35	01/27/2026 16:00	5	Maintenance - System Realignment
01/28/2026 03:50	01/28/2026 04:00	2	Maintenance - System Realignment

01/28/2026 08:30	01/28/2026 08:40	2	Maintenance - System Realignment
01/28/2026 11:05	01/28/2026 11:15	2	Maintenance - System Realignment
01/28/2026 23:00	01/28/2026 23:10	2	Maintenance - System Realignment
01/29/2026 12:20	01/29/2026 12:25	1	System Check
01/29/2026 23:00	01/29/2026 23:10	2	Maintenance - System Realignment
02/02/2026 10:50	02/02/2026 10:55	1	System Check
02/02/2026 22:35	02/02/2026 22:40	1	System Check
02/03/2026 07:25	02/03/2026 07:30	1	System Check
02/06/2026 12:15	02/06/2026 12:25	2	Routine QA
02/06/2026 12:30	02/06/2026 14:20	22	Routine QA
02/08/2026 18:15	02/08/2026 18:40	5	Maintenance - System Realignment
02/11/2026 09:45	02/11/2026 09:50	1	System Check
02/11/2026 16:40	02/11/2026 16:45	1	System Check
02/12/2026 09:45	02/12/2026 09:55	2	Maintenance - System Realignment
02/13/2026 08:05	02/13/2026 08:10	1	System Check
02/16/2026 07:55	02/16/2026 18:50	131	Instrument Down - Power Disconnected at the Refinery and Software Issues
02/20/2026 11:55	02/20/2026 12:25	6	Maintenance - System Realignment
02/20/2026 16:45	02/20/2026 17:00	3	Maintenance - System Realignment
02/21/2026 03:20	02/21/2026 03:30	2	Maintenance - System Realignment
02/21/2026 07:40	02/21/2026 07:45	1	System Check
02/23/2026 09:50	02/23/2026 10:10	4	Maintenance - System Realignment
02/25/2026 06:05	02/25/2026 06:50	9	Maintenance - System Realignment
02/26/2026 18:45	02/26/2026 19:20	7	Routine QA
02/27/2026 02:45	02/27/2026 03:40	11	Routine QA
03/01/2026 12:55	03/01/2026 13:00	1	System Check
03/02/2026 04:05	03/02/2026 04:10	1	System Check
03/04/2026 16:25	03/04/2026 18:05	20	Routine QA
03/04/2026 22:40	03/04/2026 22:55	3	Maintenance - System Realignment
03/04/2026 23:30	03/04/2026 23:40	2	Maintenance - System Realignment
03/05/2026 08:30	03/05/2026 08:35	1	System Check
03/05/2026 14:25	03/05/2026 14:30	1	System Check
03/06/2026 01:00	03/06/2026 01:15	3	Maintenance - System Realignment
03/06/2026 08:35	03/06/2026 08:40	1	System Check
03/09/2026 17:45	03/09/2026 18:00	3	Maintenance - System Realignment
03/10/2026 01:35	03/10/2026 01:40	1	System Check
03/10/2026 13:40	03/10/2026 16:30	34	Routine QA
03/18/2026 07:25	03/18/2026 07:30	1	System Check
03/20/2026 10:00	03/20/2026 10:20	4	Routine QA

03/20/2026 12:00	03/20/2026 14:35	31	Routine Quarterly QA
03/20/2026 16:15	03/20/2026 16:25	2	Maintenance - System Realignment
03/23/2026 02:15	03/23/2026 02:20	1	System Check
03/24/2026 08:25	03/24/2026 08:30	1	System Check
03/24/2026 11:20	03/24/2026 11:30	2	Maintenance - System Realignment
03/24/2026 14:45	03/24/2026 14:50	1	System Check
03/25/2026 12:55	03/25/2026 13:15	4	Maintenance - System Realignment
03/29/2026 02:05	03/29/2026 02:10	1	System Check
03/29/2026 02:15	03/29/2026 02:20	1	System Check

### Site B Point Monitor Missing Data Points

Start Date/Time	End Date/Time	Number of 5-minute Data Points Missing	Reason for Missing Data Points
01/07/2026 09:05	01/07/2026 13:20	51	Routine QA
01/21/2026 09:50	01/21/2026 13:00	38	Routine QA
02/04/2026 08:50	02/04/2026 12:40	46	Routine QA
02/16/2026 08:10	02/16/2026 09:00	10	Instrument Down - Power Disconnected at the Refinery
02/25/2026 10:10	02/25/2026 13:35	41	Routine QA
03/03/2026 09:10	03/03/2026 12:20	38	Routine QA
03/23/2026 12:50	03/23/2026 14:50	24	Routine QA
03/26/2026 09:20	03/26/2026 10:35	15	Routine Quarterly QA

### Site H Point Monitor Missing Data Points

Start Date/Time	End Date/Time	Number of 5-minute Data Points Missing	Reason for Missing Data Points
01/07/2026 11:45	01/07/2026 14:05	28	Routine QA
01/15/2026 04:00	01/15/2026 04:05	1	Instrument Down - Self Resolved
01/21/2026 10:05	01/21/2026 14:15	52	Routine QA
02/04/2026 09:00	02/04/2026 11:20	28	Routine QA
02/16/2026 08:35	02/16/2026 09:10	7	Instrument Down - Power Disconnected at the Refinery
02/25/2026 10:30	02/25/2026 12:35	25	Routine QA
03/03/2026 09:25	03/03/2026 10:20	11	Routine QA
03/23/2026 13:00	03/23/2026 15:00	24	Routine QA
03/25/2026 14:00	03/25/2026 14:15	3	Routine Quarterly QA
03/25/2026 14:40	03/25/2026 16:55	27	Routine Quarterly QA

## Site G MET Station Missing Data Points

Start Date/Time	End Date/Time	Number of 5-minute Data Points Missing	Reason for Missing Data Points
01/10/2026 23:25	01/10/2026 23:30	1	System Check
01/30/2026 05:05	01/30/2026 05:10	1	System Check
02/18/2026 22:05	02/18/2026 22:10	1	System Check
02/25/2026 07:25	02/25/2026 07:30	1	System Check
02/26/2026 06:45	02/26/2026 06:55	2	Instrument Down - Self Resolved
02/27/2026 02:35	02/27/2026 02:40	1	System Check
02/28/2026 19:15	02/28/2026 19:20	1	System Check
02/28/2026 19:25	02/28/2026 19:30	1	System Check
03/19/2026 04:55	03/19/2026 05:00	1	System Check
03/22/2026 02:10	03/22/2026 02:15	1	System Check