



February 11, 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 4 2025**

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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 October 1, 2025 to December 31, 2025 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/>.

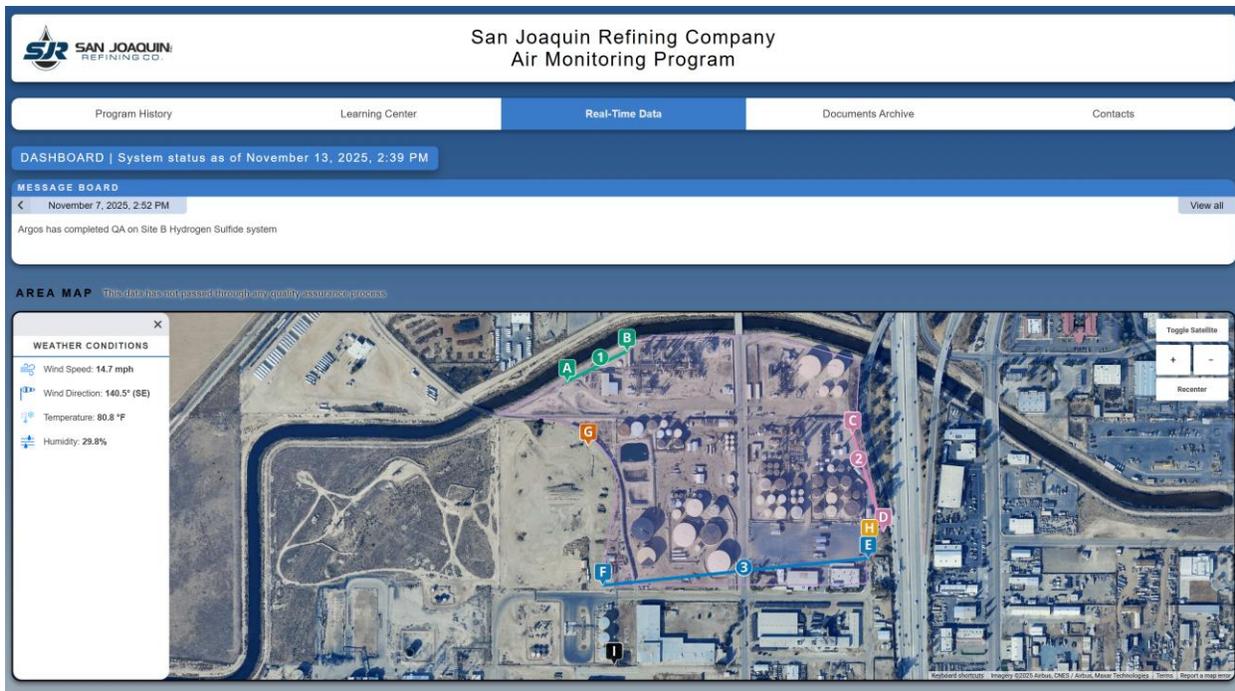


Figure 1: Community Website Landing Page

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
10/03/2025 07:55	10/03/2025 08:00	1	Maintenance - System Realignment
10/03/2025 10:15	10/03/2025 10:25	2	Maintenance - System Realignment
10/07/2025 18:35	10/10/2025 14:35	816	Instrument Down - Comms Issues
10/17/2025 14:40	10/17/2025 16:10	18	Maintenance - System Realignment
10/17/2025 16:15	10/17/2025 16:20	1	System Check
10/20/2025 01:10	10/20/2025 01:20	2	System Check
10/20/2025 09:05	10/20/2025 09:15	2	System Check
10/21/2025 01:45	10/21/2025 01:50	1	System Check
10/21/2025 12:35	10/21/2025 15:35	36	Maintenance - Actuator Replacement
10/23/2025 04:55	10/23/2025 05:50	11	Routine QA
10/23/2025 08:05	10/23/2025 08:10	1	System Check
10/27/2025 00:15	10/27/2025 00:20	1	Maintenance - System Realignment
10/27/2025 15:35	10/27/2025 15:55	4	System Check
10/27/2025 17:05	10/27/2025 17:10	1	System Check
10/28/2025 00:10	10/28/2025 00:55	9	Routine QA
10/28/2025 03:45	10/28/2025 03:50	1	System Check
11/04/2025 03:55	11/04/2025 04:25	6	System Check
11/04/2025 04:30	11/04/2025 04:35	1	System Check
11/05/2025 23:25	11/05/2025 23:55	6	System Check
11/06/2025 08:55	11/06/2025 09:00	1	System Check
11/06/2025 15:00	11/06/2025 15:15	3	Maintenance - System Realignment
11/06/2025 22:50	11/06/2025 22:55	1	Routine QA
11/06/2025 23:25	11/06/2025 23:30	1	Routine QA
11/06/2025 23:35	11/07/2025 00:00	5	Routine QA
11/07/2025 00:05	11/07/2025 00:10	1	Routine QA
11/16/2025 08:25	11/16/2025 08:30	1	System Check
11/17/2025 02:35	11/17/2025 03:25	10	System Check
11/18/2025 04:50	11/18/2025 04:55	1	System Check
11/21/2025 03:05	11/21/2025 03:10	1	System Check
11/27/2025 23:45	11/27/2025 23:50	1	System Check
12/07/2025 13:35	12/07/2025 13:40	1	System Check
12/11/2025 14:20	12/11/2025 14:40	4	Maintenance - UV Lamp Replacement
12/11/2025 23:15	12/12/2025 00:40	17	Routine QA
12/12/2025 00:50	12/12/2025 00:55	1	System Check
12/18/2025 21:45	12/18/2025 21:55	2	System Check

12/18/2025 22:15	12/18/2025 22:20	1	System Check
12/18/2025 22:40	12/18/2025 22:50	2	System Check
12/23/2025 12:05	12/23/2025 12:10	1	System Check
12/23/2025 12:15	12/23/2025 13:25	14	Routine Quarterly QA
12/23/2025 13:30	12/23/2025 13:35	1	System Check
12/25/2025 11:05	12/25/2025 11:10	1	System Check
12/29/2025 13:00	12/29/2025 15:00	24	Routine Quarterly QA

## 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
10/03/2025 15:10	10/03/2025 15:15	1	System Check
10/14/2025 11:55	10/14/2025 12:10	3	Maintenance - System Realignment
10/21/2025 09:15	10/21/2025 09:20	1	System Check
10/21/2025 09:30	10/21/2025 09:35	1	System Check
10/21/2025 09:45	10/21/2025 09:50	1	System Check
10/23/2025 06:10	10/23/2025 06:35	5	Routine QA
10/28/2025 09:15	10/28/2025 09:20	1	System Check
10/30/2025 12:45	10/30/2025 12:50	1	System Check
11/04/2025 04:50	11/04/2025 05:15	5	System Check
11/07/2025 00:40	11/07/2025 01:05	5	Routine QA
11/12/2025 03:30	11/12/2025 03:35	1	System Check
11/18/2025 04:15	11/18/2025 04:35	4	System Check
11/18/2025 10:50	11/18/2025 10:55	1	System Check
11/18/2025 11:05	11/18/2025 11:15	2	Maintenance - System Realignment
11/18/2025 11:25	11/18/2025 11:35	2	Maintenance - System Realignment
11/18/2025 12:05	11/18/2025 12:10	1	Maintenance - System Realignment
11/19/2025 07:30	11/19/2025 07:45	3	Maintenance - System Realignment
11/19/2025 09:50	11/19/2025 09:55	1	Maintenance - System Realignment
11/20/2025 17:55	11/20/2025 18:00	1	System Check
11/20/2025 18:10	11/20/2025 18:15	1	System Check
11/26/2025 15:50	11/26/2025 16:15	5	Maintenance - UV Lamp Replacement
11/27/2025 06:25	11/27/2025 06:35	2	Maintenance - System Realignment
11/27/2025 15:00	11/27/2025 15:05	1	System Check
12/01/2025 05:20	12/01/2025 05:35	3	Maintenance - System Realignment
12/09/2025 20:40	12/09/2025 20:45	1	System Check
12/11/2025 13:55	12/11/2025 14:15	4	Maintenance - UV Lamp Replacement
12/12/2025 01:30	12/12/2025 02:25	11	System Check

12/14/2025 01:50	12/14/2025 01:55	1	System Check
12/19/2025 00:50	12/19/2025 00:55	1	System Check
12/23/2025 12:55	12/23/2025 13:00	1	System Check
12/23/2025 13:40	12/23/2025 15:40	24	Routine Quarterly QA
12/29/2025 04:10	12/29/2025 04:15	1	System Check
12/29/2025 10:45	12/29/2025 11:30	9	Maintenance - System Realignment
12/29/2025 11:40	12/29/2025 12:45	13	Routine Quarterly QA

### 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
10/08/2025 12:55	10/09/2025 17:15	340	Instrument Down - Comms Issues
10/10/2025 01:45	10/10/2025 01:50	1	System Check
10/14/2025 11:15	10/14/2025 11:35	4	Maintenance - System Realignment
10/15/2025 04:10	10/15/2025 04:15	1	System Check
10/16/2025 06:40	10/16/2025 06:45	1	System Check
10/17/2025 00:45	10/17/2025 00:50	1	System Check
10/21/2025 11:20	10/21/2025 11:30	2	Maintenance - System Realignment
10/23/2025 08:00	10/23/2025 08:05	1	System Check
10/24/2025 00:00	10/24/2025 00:30	6	Routine QA
10/27/2025 00:15	10/27/2025 00:30	3	Maintenance - System Realignment
10/28/2025 00:00	10/28/2025 00:10	2	Maintenance - System Realignment
10/28/2025 08:05	10/28/2025 08:10	1	Maintenance - System Realignment
10/29/2025 18:10	10/29/2025 18:15	1	System Check
11/06/2025 00:25	11/06/2025 01:10	9	Routine QA
11/06/2025 16:20	11/06/2025 16:50	6	Maintenance - System Realignment
11/07/2025 13:00	11/07/2025 13:20	4	Maintenance - System Realignment
11/09/2025 02:40	11/09/2025 02:45	1	System Check
11/13/2025 08:30	11/13/2025 08:35	1	System Check
11/14/2025 00:35	11/14/2025 00:40	1	System Check
11/14/2025 02:00	11/14/2025 02:05	1	System Check
11/14/2025 04:25	11/14/2025 04:30	1	System Check
11/14/2025 09:05	11/14/2025 10:05	12	Maintenance - System Realignment
11/16/2025 22:20	11/16/2025 22:30	2	System Check
11/17/2025 22:55	11/17/2025 23:00	1	System Check
11/18/2025 03:45	11/18/2025 03:50	1	System Check
11/18/2025 03:55	11/18/2025 04:00	1	System Check
11/18/2025 11:00	11/18/2025 11:05	1	System Check

11/18/2025 11:35	11/18/2025 11:45	2	Maintenance - System Realignment
11/18/2025 14:40	11/18/2025 14:55	3	Maintenance - System Realignment
11/18/2025 15:25	11/18/2025 15:50	5	Maintenance - System Realignment
11/18/2025 15:55	11/18/2025 16:05	2	Maintenance - System Realignment
11/19/2025 09:45	11/19/2025 09:50	1	System Check
11/19/2025 10:05	11/19/2025 10:25	4	Maintenance - System Realignment
11/19/2025 14:10	11/19/2025 14:15	1	System Check
11/19/2025 22:25	11/20/2025 00:05	20	Maintenance - System Realignment
11/20/2025 01:50	11/20/2025 01:55	1	Maintenance - System Realignment
11/23/2025 02:25	11/23/2025 02:30	1	System Check
11/23/2025 21:25	11/23/2025 21:30	1	System Check
11/23/2025 21:35	11/23/2025 21:40	1	System Check
11/24/2025 10:00	11/24/2025 10:15	3	Maintenance - System Realignment
11/24/2025 11:05	11/24/2025 11:35	6	Maintenance - System Realignment
11/24/2025 11:40	11/24/2025 11:45	1	Maintenance - System Realignment
11/24/2025 11:55	11/24/2025 12:05	2	Maintenance - System Realignment
11/25/2025 12:10	11/25/2025 12:45	7	Maintenance - System Realignment
11/25/2025 13:05	11/25/2025 13:10	1	Maintenance - System Realignment
11/25/2025 15:20	11/25/2025 15:45	5	Maintenance - System Realignment
11/25/2025 16:25	11/25/2025 16:30	1	System Check
11/26/2025 09:55	11/26/2025 10:05	2	Maintenance - System Realignment
11/26/2025 15:35	11/26/2025 16:15	8	Maintenance - UV Lamp Replacement
12/01/2025 16:10	12/01/2025 16:20	2	Maintenance - System Realignment
12/02/2025 15:25	12/02/2025 15:30	1	Maintenance - System Realignment
12/04/2025 02:40	12/04/2025 02:45	1	System Check
12/04/2025 14:45	12/04/2025 14:50	1	System Check
12/04/2025 21:35	12/04/2025 21:40	1	Maintenance - System Realignment
12/05/2025 18:15	12/05/2025 18:25	2	Maintenance - System Realignment
12/06/2025 16:25	12/06/2025 16:35	2	Maintenance - System Realignment
12/07/2025 21:55	12/07/2025 22:00	1	System Check
12/08/2025 00:45	12/08/2025 01:05	4	Maintenance - System Realignment
12/11/2025 13:20	12/11/2025 13:50	6	Maintenance - UV Lamp Replacement
12/12/2025 03:25	12/12/2025 04:45	16	Routine QA
12/12/2025 14:45	12/12/2025 14:55	2	Maintenance - System Realignment
12/13/2025 18:25	12/13/2025 18:30	1	System Check
12/16/2025 14:20	12/16/2025 21:05	81	Maintenance - Alignment System Installation
12/17/2025 13:55	12/17/2025 14:00	1	System Check
12/17/2025 15:15	12/17/2025 15:20	1	Maintenance - System Realignment

12/17/2025 19:00	12/17/2025 19:05	1	System Check
12/18/2025 23:10	12/18/2025 23:20	2	Maintenance - System Realignment
12/19/2025 10:55	12/19/2025 11:05	2	Maintenance - System Realignment
12/21/2025 21:55	12/21/2025 22:05	2	Maintenance - System Realignment
12/22/2025 01:30	12/22/2025 01:45	3	Maintenance - System Realignment
12/22/2025 07:35	12/22/2025 08:55	16	Routine Quarterly QA
12/22/2025 09:00	12/22/2025 10:15	15	Routine Quarterly QA
12/23/2025 14:25	12/23/2025 14:30	1	System Check
12/29/2025 04:00	12/29/2025 04:10	2	Maintenance - System Realignment
12/29/2025 10:00	12/29/2025 10:05	1	System Check
12/29/2025 10:50	12/29/2025 11:00	2	Maintenance - System Realignment
12/29/2025 11:50	12/29/2025 11:55	1	System Check
12/29/2025 14:00	12/29/2025 14:10	2	Maintenance - System Realignment
12/29/2025 15:10	12/29/2025 16:30	16	Routine Quarterly QA
12/31/2025 09:45	12/31/2025 09:50	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
10/17/2025 15:15	10/17/2025 15:20	1	System Malfunction - self resolved
10/17/2025 15:45	10/17/2025 15:55	2	System Malfunction - self resolved
10/22/2025 14:00	10/22/2025 14:15	3	Routine QA
10/27/2025 16:00	10/27/2025 18:45	33	Routine QA
10/30/2025 15:30	10/30/2025 17:05	19	Routine QA
11/06/2025 14:20	11/06/2025 17:50	42	Routine QA
11/07/2025 13:40	11/07/2025 14:55	15	Routine QA
11/26/2025 11:10	11/26/2025 12:45	19	Routine QA
12/03/2025 09:35	12/03/2025 11:55	28	Routine QA
12/03/2025 12:30	12/03/2025 15:20	34	Routine QA
12/22/2025 08:55	12/22/2025 15:25	78	Routine QA
12/23/2025 12:00	12/23/2025 15:20	40	Routine 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
10/22/2025 13:50	10/22/2025 16:45	35	AC Failure
10/23/2025 14:30	10/23/2025 17:50	40	AC Failure
10/24/2025 13:10	10/24/2025 18:25	72	AC Failure
10/25/2025 13:05	10/25/2025 18:00	59	AC Failure
10/26/2025 14:15	10/26/2025 17:50	43	AC Failure
10/29/2025 13:55	10/29/2025 18:10	51	AC Failure
10/30/2025 12:45	10/30/2025 18:40	105	AC Failure
10/31/2025 13:10	11/03/2025 10:05	839	AC Failure
11/14/2025 13:00	11/14/2025 15:30	30	Routine QA
11/17/2025 15:05	11/17/2025 16:50	21	Routine QA
11/26/2025 08:25	11/26/2025 09:55	18	Routine QA
12/11/2025 13:30	12/11/2025 16:00	30	Routine QA
12/22/2025 15:05	12/22/2025 17:45	32	Routine QA
12/23/2025 13:30	12/23/2025 14:35	16	Routine 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
10/02/2025 02:50	10/02/2025 02:55	1	System Check
10/05/2025 05:00	10/05/2025 05:05	1	System Check
10/21/2025 01:40	10/21/2025 01:45	1	System Check
10/30/2025 01:00	10/30/2025 01:10	2	System Check
10/31/2025 01:55	10/31/2025 02:00	1	System Check
10/31/2025 02:30	10/31/2025 02:35	1	System Check
10/31/2025 03:10	10/31/2025 03:15	1	System Check
11/02/2025 18:00	11/02/2025 18:05	1	System Check
11/11/2025 07:40	11/11/2025 07:45	1	System Check
11/20/2025 06:05	11/20/2025 06:10	1	System Check
12/03/2025 04:30	12/03/2025 04:35	1	System Check
12/16/2025 19:00	12/16/2025 19:05	1	System Check
12/20/2025 18:25	12/20/2025 18:30	1	System Check
12/21/2025 03:40	12/21/2025 03:45	1	System Check