Pigging Report

Client: Origin Integrated Gas (IG)

Pipeline: Wallumbilla Gladstone Pipeline

Section: Biloela to Gladstone (450 - 630 km)

Date: September 15th, 2024

Introduction:

This report summarizes the pigging operations carried out on the Biloela to Gladstone section of the Wallumbilla Gladstone Pipeline on September 15th, 2024. This pigging run is a continuation of the ongoing maintenance campaign for the 2024 summer season, following the successful repair and mitigation efforts undertaken after the potential leak detection on July 29th, 2024.

Background:

In the previous pigging report dated July 29th, 2024, a potential leak or breach was identified in the pipeline at approximately 320 km from the Chinchilla station, within the Chinchilla to Biloela section. Immediate actions were taken by Origin IG, in coordination with Piping Inspection Services (PIS) and relevant authorities, to address the issue and minimize the environmental impact.

The affected section of the pipeline was isolated, and a temporary shutdown was implemented to reduce the leak rate. Following a detailed inline inspection and data analysis, a repair crew was deployed to the site, and the damaged section was successfully replaced with a new pipe segment.

The repair work was completed on August 20th, 2024, and the pipeline was restored to normal operating conditions after thorough testing and quality assurance checks.

Pigging Operations:

1. Pre-Pigging Preparation:

- Conducted safety briefings and obtained necessary permits.

- Verified pipeline operating conditions and pressures.

- Installed temporary pigging facilities at the launch and receive sites.

2. Pigging Run:

- Launched a bi-directional cleaning pig from the Biloela station at 09:00 hours.

- The pig was tracked and monitored throughout the run using the latest technology.

- Received the pig at the Gladstone station at 15:30 hours, covering a distance of 180 km.

3. Post-Pigging Inspection:

- Performed visual inspection of the received pig for any anomalies or debris.

- Collected and analyzed debris samples for further evaluation.

- Conducted preliminary data analysis from the pig's integrated sensors.

Findings and Observations:

- The pigging operation was completed successfully without any significant incidents.

- Moderate levels of debris, consisting primarily of dried hydrocarbon deposits and trace amounts of sand, were collected from the pig.

- Initial data analysis did not indicate any significant areas of concern within this pipeline section.

- Minor surface corrosion was detected at a few localized areas, which will be monitored during subsequent inspections.

- The repaired section at approximately 320 km from the Chinchilla station appeared to be in good condition, with no immediate issues detected.

Recommendations:

- Schedule a follow-up intelligent inspection pig run to gather detailed data on the identified areas of minor corrosion and the repaired section.

- Conduct a Health, Safety, and Environmental (HSE) assessment at the repair site to ensure the area has been properly restored and any potential environmental impact has been mitigated.

- Increase the frequency of pigging operations on this section to maintain optimal pipeline integrity and cleanliness.

- Review the cleaning and debris collection procedures to improve efficiency and effectiveness.

This report provides a summary of the pigging operations conducted on September 15th, 2024, for the Biloela to Gladstone section of the Wallumbilla Gladstone Pipeline. The successful repair of the potential leak detected on July 29th has been noted, and further monitoring and assessment of the repaired section will be undertaken.

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