



**Title**

**Author**

**Affiliation**

**Abstract or Executive Summary**

**1. Introduction**

- a. Describe the section/segment (e.g., production, transmission, storage, refinery, and products) of the oil and gas industry
- b. Describe the section/segment in the context of the entire oil and gas infrastructure
- c. Describe the time period (e.g., 3 (minimum), 5, 10, 25 etc.) over which the status of the section/segment is described in this article.

(Delete titles that are not applicable to your paper)

**2. Context of Corrosion Control**

- a. Describe corrosion control in the context of overall asset integrity (i.e., is the risk due to corrosion is high, same, or low when compared to other risks? Examples of other risks third party damage, earth quake, mechanical damage)

**3. Internal corrosion – Model**

- a. What are the corrosion damage mechanisms (CDM)?
- b. What is maximum corrosion rate considering all CDM?
- c. What is the basis for maximum corrosion rate?
- d. If the average corrosion rate is used, what is the spread of data/standard deviation?

**4. Internal corrosion – Mitigation**

- a. What are the mitigation strategies?

**5. Internal corrosion – Monitoring/Inspection**

- a. What and how many techniques are in use to monitor corrosion type in segment?
- b. What and how many techniques are in use to inspect corrosion type in segment?
- c. How frequently the inspection is carried out?

**6. External corrosion – Mitigation**

- a. What are the mitigation strategies?

**7. External corrosion – Model**

- a. What are the corrosion damage mechanisms (CDM)?
- b. What is maximum corrosion rate considering all CDM?
- c. What is the basis for maximum corrosion rate?
- d. If the average corrosion rate is used, what is the spread of data/standard deviation?

**8. External corrosion – Monitoring**

- a. What and how many techniques are in use to monitor corrosion type in segment?
- b. What and how many techniques are in use to inspect corrosion type in segment?
- c. How frequently the inspection is carried out?

**9. Measurement**

- a. Are all the measurement data (e.g., chemical analysis, solution analysis) required for deciding corrosion conditions of the segment readily available?
- b. How do you establish the reliability of measurement?

**10. Maintenance**

- a. Was the segment undergone any maintenance activities?
- b. How do you establish your maintenance schedule?

**11. Management**

- a. Was there any failure due to corrosion during the review period of segment? If so, how many? Were they in high or low consequence area?

**12. Summary of the Status of the infrastructure**

**13. Cost-Benefit Analysis**

- a. Describe the cost incurred over the review period for various activities to control corrosion.

**14. Additional Recommendations, if any**

**15. Conclusions/Summary**

**16. Acknowledgement**

**Attachments/Appendices**

- a. Append or simply list the reports used to write this article.