



Direct Assessment for Internal Corrosion in the Presence of Wet Gas

3rd QUARTERLY PUBLIC REPORT

Period: September through December 2005

Background

This objective of this project is to assist the National Association of Corrosion Engineers (NACE) in the development and balloting of a draft standard for wet gas Internal Direct Corrosion Assessment (ICDA). This includes identifying, with NACE, the key technical issues and methodology related to wet gas ICDA. The indirect assessment will include information on wet gas, assessment mechanisms, and upset conditions.

Summary of Progress this Quarter

Significant progress has been made in this quarter and is summarized below:

1. During Corrosion Technology Week (Sept 21, 2005 in Calgary, Alberta, Canada), NACE TG 305 committee members discussed the wet gas ICDA draft protocol. Minutes were developed by the Chair (Oliver Moghissi, CC Technologies) and vice chair (Laurie Perry, SoCal & PRCI) based on comments of the committee members.
2. The draft wet gas ICDA document was revised by Keith Leewis (P-PIC), and Frank Song and Narasi Sridhar (Southwest Research Institute) to incorporate the comments obtained from the TG during Corrosion Technology Week.
3. Discussion of the revised document and further revision of the first two steps of the wet gas ICDA, Preassessment and Indirect Assessment, have been conducted through teleconferences and other methods.
4. A one day face-to-face meeting is scheduled for January 10, 2006 in Houston, Texas at the NACE headquarters. The purpose is to review the progress, discuss and revise the document with inputs from all members, and plan the next steps towards a draft for review before the NACE meeting in San Diego, California, March 12 – 16, 2006.

Results

Discussion of the revised document and further revision of the first two steps of the wet gas ICDA, Preassessment and Indirect Assessment, have been conducted through teleconferences and other methods. The results are briefly summarized below:

- Pre-assessment: Led by Garry Matocha, two teleconferences were held and the attendance was excellent. Two meeting minutes were issued. The pre-assessment portion of the document was significantly revised based on group's inputs.
- Flow Modeling: Led by Paula Kolb, one teleconference was held and the second one is scheduled on January 5, 2006. The meeting minutes are to be developed.



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Results (continued)

- Corrosion Mechanisms: Led by Pat Teevens, a draft document on the corrosion mechanisms was prepared. It has been sent out to group members for comments.
- Upsets: Nguyen Bich prepared a draft. Comments from group members have been received.
- Mitigation: Nguyen Bich volunteered to draft a document and the draft has been distributed for comments.

Future Activities

The remaining project work will proceed as follows:

Committee meeting at NACE Headquarters	Jan/06
Provide next draft of WG-ICDA	late Feb/06
NACE TG 305 meeting for guidance	March 12 to 16/06
Compile comments and finalize report	May 06
Final Report to DOT	May /06

Note that while the final report will include the appropriate the technical content, NACE will require additional time to complete language and editorial changes necessary to meet NACE committee requirements and ballot needs. Without external assistance, approximately one year will be required to complete final changes.

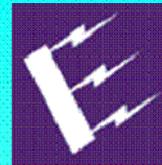
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