

Microbiological Corrosion (301)

A ZOOM meeting was held on Tuesday, January 23 to review the updated SPS. The following attended:

Bill Bieber
Sean Brossia
Katie Day
Krista Heidersbach
Ed Naylor
Tony Scribner
Steve Springer
Chuck Young

- Katie's SPS (December 14, 2017 version) was used along with the minutes of November 29, 2017 ZOOM call.
- Chuck Young wanted to know why the previous MTI efforts failed.
- Tony Scribner, who was involved in the previous project (OJ) sent several documents of that project to Pradip (to be forwarded to the team separately as the size of the files is very large).
- Chuck Young suggested a new literature search. A literature search was conducted in the old project (OJ) which is one of the documents Tony has forwarded. Steve Springer suggested Bill Watkins as a resource which Pradip Khaladkar will pursue.
- Katie Day suggested that perhaps the project could be parceled out to two contractors – SwRI for plant water and Biologic for synthetic water. A great deal of discussion took place, and it was felt that synthetic water is better since there is better control. This will be further discussed in Orlando hopefully with the input from Dr. Jim Dante of SwRI.
- Krista Heidersbach: "My suggestion was to collect various samples of water from different sites and to use Next Generation DNA analysis / sequencing to determine the most common strains of bacteria in those samples. This identifies the genus level of the bacteria strains, not the big picture categories commonly used in industry. This information can be used to determine which strains of bacteria should be chosen for any artificial water testing that is done. Field water is going to vary significantly from facility to facility. If you use artificial water, someone will have to choose which bacteria strains to introduce. This provides a basis to pick strains that are relevant to what is found in the field, but to still use controlled water samples"
- Katie Day suggested that Jim Dante of SwRI should be invited via conference call to the team meeting to answer questions. Pradip Khaladkar to follow up with Dr Dante and MTI for setup.

- Katie will edit the SPS to reflect the change in the alloys agreed in the previous call i.e. 316L and 2005.

Action items:

- Pradip Khaladkar will contact Jim Dante of SwRI for participating in the Orlando team meeting.
- Pradip Khaladkar will work with Steve Springer and Bill Watkins for a new literature search (NIRAC?)
- Pradip Khaladkar will forward to team the documents of project OJ to the Team.
- Katie Day will edit the SPS to reflect the change agreed on November 29 ZOOM meeting.

Next meeting: TAC 125, Orlando February 2018