Institute of Corrosion: Corrosion Engineering Division

Minutes of Coatings Working Party meeting held during CED day at Birchwood Park Warrington, on 17th April 2013

Present: Brenda Peters (Scientific Analysis- chair)(BP) Douglas Mills (ICorr-Minute secretary)(DJM ), David Horrocks (BAM Nuttall Ltd(DH ), Debbie Keenan (Shell UK)(DK), Oleyede Olamilekan (University of Manchester) ( OO), Caroline Tiffen (Sellafield Ltd) (CE), Thomas Walsh (RwEnPower) (TW) , Andy Barnett (Wood Group Integrity management) (AB) , Gerry Bourke (Scangrit) (GB)

Previous Minutes and adoption of the agenda: The minutes of the previous working party meeting at NPL on 26th April 2012 were looked at and were agreed to be a true reflection of the meeting. The agenda was agreed.

Matters arising
Intumescent coatings document. This is available from the website and is free. Re water jetting standard there had been no further contact with Jeremy Twigg. Several members present (TW DH and GB) were interested in this because there is currently no procedure on how to waterjet e.g. what quality of water do you use, info like epoxy needs a good profile. So a Guide for high pressure water jetting would undoubtedly be useful. ACTION: DJM to send out the last set of minutes to the group present today.

Review of progress
Classification of Waste Blasting grit for disposal purposes.
BP’s guidance notes to be accepted by skip owners etc. Confusion re hazardous waste etc, An examples was basic analysis of the waste stream required to find out if chromium, copper and zinc exceed the specific threshold. Contact had been had with Bob McIntyre - national inspector for hazardous waste within the environment agency. GB commented at length on this topic. Copper slag has own listing (non hazardous material) as soon as is used as abrasive it comes under another code (shot blasting code)

Electrochemical techniques for assessment of anti-corrosive coatings in the field
Some interest from the group. DJM explained it using example of assessment of coating on the hull of an aircraft carrier using ENM (Electrochemical Noise) and EIS (Electrochemical Impedance Spectroscopy). Quite a few questions e.g. are absolute values possible (DH) Also DK asked whether Electrochemical techniques can it be used under CP conditions to see how coating is getting on. Answer - not fully tested But probably yes. Also questions from OO, TW and GB

Guidance for selection of High Temperature Coatings
Normally maximum operating T would be 200-300°C Based on silicates Two people particularly interested (DK and GB) Brenda asked about silicone resin used at MUCH higher temperatures e.g. tested on steel Q panel at 700-800 C Two pack good experience. MOD - aircraft taking off. Review of High temperature coatings needed. OO had interest in Metallic and inorganic coatings Cranfield strong in this area

Guidance for coatings for wood products:
Nobody among current group interested – Need to contact Scott Betts- does he want to pursue this? Would OCCA be interested?
Future activities  None identified

AOB

E-mails of attendees
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