Standing Chairman: *Steven Verberckmoes* (Umicore, Belgium)

Metals Conference Centre – Zinc room
Rue du Duc 100 – 1150 Brussels (BELGIUM)

MINUTES

Action points are listed in Tables 2 and 4 below

1. Welcome and introduction

1.1. Reminder on Confidentiality and Competition Law. Participants were reminded on their obligation to comply with Confidentiality and Competition Law provisions.

1.2. Tour de table and apologies. The list of participants is available in Annex 2.

1.3. Objective of the meeting. The Agenda of the meeting is available in Annex 1. The aim of the meeting was to discuss and approve the integrated testing strategies prepared by WCA for the Au and PM CN- projects. The slides presented at the meeting are available in Annex 3. In the absence of Guy Ethier, Chairman of the Au and PM CN- WG, Steven Verberckmoes acted as standing Chairman.

2. Au project

2.1. Adjusted scope. Following the receipt of the updated declarations, the PMC inventories were consolidated to take account of the adjustments made by PMC Members in their registration intentions. The scope of the Au project was adjusted in that the tonnage band of tetrachloroauric acid was increased from 1-10 t/a to 10-100 t/a and the Balsams is a now a non-scc intermediate which hence requires full intermediate registration.

2.2. Proposed ITS. A summary of the first tier of the ITS proposal for Au is available in the table below. Following receipt, evaluation and validation of the results of the partition co-efficient and bio-accessibility tests, further testing, if any, will be proposed by WCA.

Table 1. Summary of the first tier of the ITS of the Au project.

	Physico-chemical	Ecotox / Environmental fate	Toxicity
Gold	None	Read-across from TCA. Likely valence state of 'soluble' gold to be considered.	Bio-accessibility in gastric fluid Check pH impact in mamm tox tests, neutralisation possibilities, and read-across from sodium tetrachloroaurate
Tetrachloroauric acid (TCA)	WCA proposal to be adjusted for ~ 40% aqueous solution	Test *Daphnia*, algae, micro-organisms (Check pH impact - test using neutralised or buffered medium)	
Aurio (1+) …	Boiling point, Density, Solubility, Vapour pressure, Partition co-efficient	Confirm predicted bioaccumulation (4,2) with experimental partition co-efficient. If bio-accumulable, Annex III exemption not possible and additional testing may be required	Annex III exemption to be confirmed following result of partition co-efficient test
Balsams …	Need composition	Annex III exemption assumed. Confirmation	

Contact Info of the Consortium
Avenue de Broqueville, 12 – BE-1150 Brussels
Tel.: +32 2 775 63 23 **Fax:** +32 2 779 05 23 **Mobile:** +32 473 52 52 73
E-mail: braibant@epmf.be **Website:** www.epmf.be

	data to confirm some waivers. Self-ignition to be waived on low volume (100g) for transport.	dependent on composition.

2.3. Timeline. The actions agreed at the meeting and which relate to the Au project only are listed in the table below.

Table 2. Actions agreed at the 7 Jun 2011 Au + PM CN- WG meeting relative to the Au project

	What?	Who?	When?
1.	Review type of physico-chemical tests to be conducted on TCA, including applicability of melting point, boiling point and vapour pressure	WCA and TCA LR (JM)	Early Jul 2011
2.	Send back received liquid balsams sample to Heraeus	Harlan	Early Jul 2011
3.	Collect all possible information on form, composition and process to better describe identity of balsams	Heraeus	Early Jul 2011
4.	On the basis of a fuller profile on balsams, determine applicable testing requirements and send it back to Heraeus for confirmation	WCA	Early Jul 2011
5.	When WCA and Heraeus have agreed on a list of tests, finalises the list including the necessary sample amounts	WCA	Early Jul 2011
6.	Prepare the agreed sample amount and send it to Harlan for testing	Heraeus	Mid Jul 2011
7.	Request contract and study protocols for physico-chemical tests from Harlan, and confirm sample amount needs to PMC secretariat	WCA	Mid Jul 2011
8.	Participate in Eurométaux bio-elution workshop and integrate key messages and recommendations to bio-accessibility and transformation/dissolution initiatives arising in PMC projects	WCA	24 Jun 2011
9.	Request contract and study protocols for bio-accessibility tests from several test houses (already actioned for PGM project), and confirm sample amount needs to PMC secretariat	WCA	Mid Jul 2011
10.	Verify how to tackle the potential impact of pH in (eco-)toxicity tests (e.g. neutralisation?) with relevant test houses	WCA	Jul 2011
11.	Request contract and study protocols for eco-toxicity tests (*Daphnia*, algae and micro-organisms) from several test houses including AQura, and confirm sample amount needs to PMC secretariat	WCA	Mid Jul 2011
12.	Agree on test houses, contracts, and protocols for all tier 1 tests	Au + PM CN-WG	End Jul 2011
13.	Request samples for tier 1 tests	PMC	End Jul 2011

		secretariat	
14.	Revise bio-accumulation potential of Aurio (1+) and confirm (non-)applicability of Annex III exemption	WCA	Aug 2011
15.	Revise eco-toxicity and bio-accessibility test results and agree on next steps	Au + PM CN-WG	Nov 2011

3. PM CN- project

3.1. Scope. The scope of the PM CN- project remains unchanged. All materials in scope are substances, two of them in the 1-10 t/a band and two in the 10-100 t/a band.

3.2. Background: CLP vs. REACH and original dossier preparation approach recommended by WCA. For CLP purposes, considering the short time available and the need to be as conservative/precautionary as possible, CLP classifications for PM CN- were derived on the basis of the existing Annex VI of CLP classification for simple salts of hydrogen cyanide. In line with this approach, WCA had therefore originally proposed to purchase a Letter of Access from the CN- Consortium and read-across all relevant REACH information requirements from the CN- salts dossiers. Subsequently some Members questioned this approach and requested WCA and the PM CN- experts to explore other possibilities.

3.3. Adjusted ITS proposal. Since free CN- is very difficult to measure, sufficient test data exists on CN- already, and (animal) testing should be minimized according to REACH, it was proposed to apply modelling instead. Preliminary modelling conducted by WCA indicates that PM CN- are unlikely to behave completely different from CN- as such. Further work needs to be done however to identify the bio-available species in environmentally and physiologically relevant solutions (i.e. modelling transformation/dissolution and bio-accessibility testing conditions). A summary of the first tier of the ITS proposal for PM CN- is available in the table below.

Table 3. Summary of the first tier of the ITS of the PM CN- project.

<table>
<tr><th></th><th>Physico-chemical</th><th>Ecotox / Environmental fate</th><th>Toxicity</th></tr>
<tr><td>Silver CN-</td><td>None</td><td colspan="2">Annex III exemption</td></tr>
<tr><td>K Silver CN-</td><td>Density, solubility, dustiness (MMAD)</td><td rowspan="2">Prediction of dissociation species via modelling
Test Daphnia, algae, micro-organisms
Fish toxicity predicted by modelling mixture toxicity (validation with above test data)</td><td rowspan="2">Prediction of dissociation species via modelling
Predict LD50/classification based on theoretical dissociation predictions
Decide whether to read-across from CN- or test</td></tr>
<tr><td>K Gold CN-</td><td>Density, dustiness (MMAD)</td></tr>
<tr><td>K tetrakis (Cyano-C) aurate</td><td>Density, solubility</td><td colspan="2">Annex III exemption</td></tr>
</table>

3.4. Timeline. The actions agreed at the meeting and which relate to the PM CN- project only

Contact Info of the Consortium
Avenue de Broqueville, 12 – BE-1150 Brussels
Tel.: +32 2 775 63 23 **Fax:** +32 2 779 05 23 **Mobile:** +32 473 52 52 73
E-mail: braibant@epmf.be **Website:** www.epmf.be

are listed in the table below.

Table 4. Actions agreed at the 7 Jun 2011 Au + PM CN- WG meeting relative to the PM CN- project

	What?	Who?	When?
1.	Set-up PM CN- expert group (PCEG) with representatives from WCA, the PM CN- LR and other interested companies, and CN- Consortium (if possible)	PMC secretariat	Jun/Jul 2011
2.	Request contract and study protocols for physico-chemical tests from Harlan, and confirm sample amount needs to PMC secretariat	WCA	Mid Jul 2011
3.	Request contract and study protocols for dustiness and aerodynamic particle size distribution tests from several test houses (already actioned for PGM project), and confirm sample amount needs to PMC secretariat	PMC secretariat (combined with PGM project efforts)	Mid Jul 2011
4.	Request contract and study protocols for eco-toxicity tests (*Daphnia*, algae and micro-organisms) from several test houses including AQura, and confirm sample amount needs to PMC secretariat	WCA	Mid Jul 2011
5.	Agree on test houses, contracts, and protocols for all tier 1 tests	Au + PM CN- WG	End Jul 2011
6.	Request samples for tier 1 tests	PMC secretariat	End Jul 2011
7.	Develop modelling approach	PCEG	Early Sep 2011
8.	Revise dustiness and eco-toxicity test results and agree on next steps (including model finalisation, peer review and validation)	Au + PM CN- WG	Nov 2011

4. **AOB, next calls/meetings, and closing remarks.**
   1. Au and PM CN- WG conference call: to agree on test houses and overall tier 1 (end Jul 2011)
   2. PM CN- Expert Group meeting: to set-up model (early Sep 2011)
   3. Au and PM CN- WG meeting: to discuss preliminary test results and PM CN- model (Nov 2011)

Annexes:

1. Agenda
2. List of participants
3. Slides presented at the meeting