

EMRAS NORM WG

Vienna – November 2007

Summary

- 3 hypothetical scenarios
 - Point source (2 models, 3 modellers)
 - Area source (2 models, 6 modellers)
 - Area source + river (1 model, 2 modellers)
- 4 real scenarios
 - Lignite power plant – multiple point source (1 model, 1 modeller)
 - Phosphogypsum stack – wet – area source (no modelling)
 - Phosphogypsum stack – dry – area source (no modelling)
 - Gas mantle plant – highly heterogeneous – screening model (no modelling by WG)

Hypothetical scenarios

- Agreement between different models – acceptable
- Agreement between different modellers (same model) - good
- Lessons learnt
 - good communication on specifications (input data) is essential
 - These scenarios are very useful for testing models, particularly with respect to
 - Data requirements
 - Clear specification of the problem

Real scenarios

- With the exception of the lignite power plant scenario, the real scenarios have not been modelled
 - Data only recently became available
 - Several features that complicate the modelling
 - waste under water
 - re-circulation of leachate
 - highly inhomogeneous distribution of waste

This week

- Finalise report.
 - Finalise report..
 - Finalise report...
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- Discuss options for future work, particularly publication of results

Future – long term

- Concentrate on real scenarios
 - More scenarios
 - More data
 - Commercial in confidence issues

- Publication of work
 - Bergen conference – June 2008 – real v hypothetical scenarios
 - Other

- Other issues
 - Development of more models
 - Lake
 - River
 - Development of assessment methodologies
 - Development of procedures for estimating uncertainties