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***Interactive comment on “Technical Note:
Implementation of prescribed (OFFLEM),
calculated (ONLEM), and pseudo-emissions
(TNUDGE) of chemical species in the Modular
Earth Submodel System (MESSy)” by A. Kerckweg
et al.***

Anonymous Referee #2

Received and published: 8 August 2006

The MESSY submodels OFFLEM, ONLEM, TNUDGE and tool EDGAR2NC are presented in this technical note. They are not only a part of model MESSY for the implementation the emission of species into the model but also practically useful for the modeling community in atmospheric chemistry and research to deal the emissions with the prescribed offline emissions, online-calculated emissions and pseudo-sources and -sinks using the “tracer nudging”. One question is if and how OFFLEM manage the

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offline emissions for aerosol tracers, such as black carbon, organic carbon and sulphate aerosol, as ONLEM handles emissions of both gas phase and aerosol tracers. This technical note is also well written. It should be published in ACP with the minor revisions.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 5485, 2006.

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