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|  | CDM: Response form for Request for revision of approved methodologies (version 01.1) |
| <i>Date of Meth Panel meeting:</i> | 26 - 30 March 2007 |
| <i>Title and number of Request for revision</i> | “Amendment to include leak reduction from a natural gas distribution grid by replacing old steel pipes with polyethylene pipes” / AM_REV_0041 |
| Summary of the query: Please use the space below to summarize the request for revision on the related approved methodologies. | |
| <p>The DOE proposes an amendment to the existing methodology AM0043/Version 01, Leak reduction from a natural gas distribution grid by replacing old cast iron pipes with polyethylene pipes.</p> <p>The purpose of the amendment is to make the methodology applicable to projects where old steel pipes (instead of cast iron pipes) are replaced by polyethylene pipes, under any of three operating pressure regimes. Like cast iron pipes, steel pipes leak more than polyethylene pipes because they are subject to corrosion and because they are laid in relatively shorter segments than polyethylene pipes, meaning there are more joints, which are prone to leakage. However, steel pipes leak less than cast iron pipes. This is reflected in the emissions factors for steel included in the amendment. The emission factors for steel pipes increase with increasing operating pressures since, at higher pressures, larger volumes of gas escape through leaks.</p> <p>In addition, the DOE suggests making the methodology applicable to gas distribution systems with multiple operating pressures, identifying for each pressure range a separate baseline scenario.</p> <p>On top of the changes and additions that make the methodology applicable to steel pipes operating at different pressures, other changes were introduced to improve consistency, clarity, and correctness.</p> | |
| Recommendation by the Meth Panel: | |
| (a) Please use the space below to provide amendments /changes (in your expert view, if necessary). | |
| <p>The request is in line with EB decisions to try to broaden the applicability of already approved methodologies. The Meth Panel is of the view that the suggested changes should be approved in principle. However, the underlying data basis for the newly presented emission factor for steel pipes is not considered appropriate. Several newly introduced emission factors are based on estimates from a single company report (from Gas Natural, which is also a project participant of the underlying project). In contrast to some emission factors in the approved methodology, the newly suggested emission factors are not backed with references from independent sources.</p> <p>The Meth Panel recommends not revising the methodology at the moment but invites the DOE to submit a new request for revision providing further information regarding the quantified emission factors (see below).</p> | |
| (b) Please use the space below for providing guidance, as per Para 93 of EB25 Report, on what type of projects need to revise the PDD as a consequence of the suggested revision, if the recommendation is to revise the methodology. | |
| N.A. | |

Answer to authors of the request for revision by the Meth Panel:

Please use the space below to provide an answer to the authors of the above query

The Meth Panel invites the authors of the request to submit a new request for revision providing further information regarding the proposed emission factors for steel pipes. The request should:

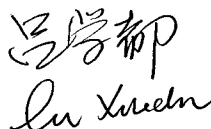
1. Provide a copy of the documents the proposed methodology is referring to;
2. Substantiate the suggested emission factors by providing independent per-reviewed data sources;
3. Compare the presented emission factors with factors provided in national inventories. The Meth Panel notes that inventory data might overestimate pipeline emissions to be conservative from an inventory perspective. Conservatism in the context of CDM should have a tendency to underestimate emissions from steel pipelines;
4. Consider differentiating the emission factors not only by pressure in the network but also by type of steel pipe that is used (e.g. steel normal, steel cath.).



Signature of the Meth Panel Chair

Date: 30/03/2007

(Akihiro Kuroki)



Signature of the Meth Panel Vice-Chair

Date: 30/03/2007

(Xuedu Lu)

Information to be completed by the secretariat

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| F-CDM-AM | AM-REV-0041 |
| Name of the authors of the query: | Det Norske Veritas Certification Ltd. AS |
| Date when the form was received at UNFCCC secretariat | 30 March 2007 |
| Date of transmission to the EB | 30 March 2007 |
| Date of posting in the UNFCCC CDM web site | 30 March 2007 |