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Interactive comment on “Municipal solid waste open dumping, implication for land degradation” by M. Yazdani et al.

M. Yazdani et al.

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Dear Dr. Antonio Jordan Thank you very much for your interest to read our manuscript, and thank you for your suggestions.

Section 2.3 which you mentioned has been rewritten according to referee 1 comment (supplement file) and completely has been changed to text below:

2.2 Investigate the evaluation criteria

Sanitary municipal solid waste landfill site sitting, such as the other engineering project needs basic information and accurate planning (Chang et al., 2008). Methods of evaluating landfill site measure many spatial criteria which, supplying different and proper spatial data, and matching between the suitable parameters and regulations is manda-

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tory. There are many methods to landfill site sitting in the world which can found in past researches and articles, (Alexakis and Apostolos, 2014; Rezazade et al., 2014; Moeinaddini et al., 2010; Sumathi et al., 2007) while in this research two methods, Minnesota Pollution Control Agency method and Regional screening guideline are used to suitability evaluation of the current Tonekabon landfill site. Each system, evaluates waste site according to the criteria described below.

Section 2.3.1: MPCA method includes 6 primary determinative factors and 7 secondary conditional factors. Six primary determinative factors are mandatory and must be observed in landfill site sitting and non-compliance with any of these six factors will eliminate the site. Other seven factors are conditional factors, this means that if the seven factors resolved by engineering operations, there will be no other obstacle to site sitting.

Section 2.3.2: thank you for your suggestion, if we have this chance to submit revision we will rewrite this section as a table.

Interactive comment on Solid Earth Discuss., 7, 1097, 2015.

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