

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

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Dear authors: I have read your manuscript and have some suggestions. Most are in agreement with referee #1's comments. But I have some suggestions to modify part of the Methods section.

Section 2.3: For assessing suitability of waste disposal areas, various aspects should be taken into consideration. For instance, diverse social, economical and environmental characteristics, such as land use and soil, hydrological and geological properties should be evaluated for this purpose. Methods of evaluating landfill sites consider many spatial criteria. For example: distance to roads, protected areas, populated areas, surface water bodies and soil vulnerable areas. Consequently, supplying different and proper spatial data, and matching between the suitable parameters and regula-

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tions is mandatory. In this research two methods are used, MPCA method and regional screening guidelines. Each system, evaluates waste sites according to the following criteria.

Section 2.3.1: The method proposed by the Minnesota Pollution Control Agency (MPCA; Badve, 2001) considers 6 determinative and 7 conditional factors (Table 1). Complete achievement of determinative factors is committed in landfill siting, while conditional factors should be achieved by engineering considerations. NOTE: The meaning of this last sentence is not fully clear to me (check?).

Section 2.3.2: I find this 2-level items list should be more properly written as a new table.

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