عنوان مقاله:

Dispersion Modeling of NOx and SOx in Phase 9 and 10) of South Pars Oilfield

محل انتشار:

ششمین همایش ملی مدیریت آلودگی هوا و صدا (سال: 1396)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

The research presented here, represents a segment of a cumulative impact modeling of gas refineries (phases 9 and 10) of South Pars Gas Company (SPGC). It considers point and flare source emissions of sulphur and nitrogen oxides (SO2 and NOx respectively), over an about 410 km2 area. AERMOD View TM was used to estimate the maximum potential concentration of these pollutants over 1-h, 3-h, 8-h, 24-h, month and annual averaging periods. Results were compared with Air Quality Standards to assess the potential cumulative effects of these pollutants. Finally, Comparison with nearby monitoring data will indicate reasonability of predicted concentrations and usefulness of AERMOD as a tool for approaching the potential cumulative impacts of air pollution from multiple sources. The effects .of predicted threshold violations on fragile ecosystems were discussed

کلمات کلیدی:

Sulphur and nitrogen oxides. AERMOD. Air quality standards. Cumulative impacts. South Pars

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