**Supplementary material for:**

**Automatic Document Classification for Environmental Risk Assessment**

K. Painter, et al.

**Table S1:**

These are the search strings used to find the initial large dataset of 79,511 documents.

**Web of Science**

**Search Field:** “Topic”

**Search Terms:** NOx OR “NO(x)” OR NOy OR “NO(y)” OR NOz OR “NO(z)” OR “nitrogen oxide” OR “nitrogen oxides” OR “oxides of nitrogen” OR NO2 OR “NO(2)” OR “nitrogen dioxide” OR “nitric oxide” OR “nitrogen monoxide” OR PAN OR PANs OR “peroxyacetyl nitrate” OR “peroxyacetyl nitrates” OR “peroxyacyl nitrate” OR “peroxyacyl nitrates” OR HONO OR HNO2 OR “HNO(2)” OR HNO3 OR “HNO(3)” OR “nitrous acid” OR “nitric acid” OR RONO2 OR “RONO(2)” OR “organic nitrate” OR “organic nitrates” OR peroxynitrite OR NO3 OR “NO(3)” OR “nitrous oxide” OR N2O OR “N(2)O”

**Limits:** Publication year = 2008-2011; Lemmatization = Off; Document Type = Article, Review, Letter, Editorial material, and Corrections ONLY; Language = English

**PubMed**

**Search Field:** “Title/Abstract”

**Search Terms:** NOx[Title/Abstract] OR "NO(x)"[Title/Abstract] OR NOy[Title/Abstract] OR "NO(y)"[Title/Abstract] OR NOz[Title/Abstract] OR "NO(z)"[Title/Abstract] OR "nitrogen oxide"[Title/Abstract] OR "nitrogen oxides"[Title/Abstract] OR "oxides of nitrogen"[Title/Abstract] OR NO2[Title/Abstract] OR "NO(2)"[Title/Abstract] OR "nitrogen dioxide"[Title/Abstract] OR "nitric oxide"[Title/Abstract] OR "nitrogen monoxide"[Title/Abstract] OR PAN[Title/Abstract] OR PANs[Title/Abstract] OR "peroxyacetyl nitrate"[Title/Abstract] OR "peroxyacetyl nitrates"[Title/Abstract] OR "peroxyacyl nitrate"[Title/Abstract] OR "peroxyacyl nitrates"[Title/Abstract] OR HONO[Title/Abstract] OR HNO2[Title/Abstract] OR "HNO(2)"[Title/Abstract] OR HNO3[Title/Abstract] OR "HNO(3)"[Title/Abstract] OR "nitrous acid"[Title/Abstract] OR "nitric acid"[Title/Abstract] OR RONO2[Title/Abstract] OR "RONO(2)"[Title/Abstract] OR "organic nitrate"[Title/Abstract] OR "organic nitrates"[Title/Abstract] OR peroxynitrite[Title/Abstract] OR NO3[Title/Abstract] OR “NO(3)”[Title/Abstract] OR “nitrous oxide”[Title/Abstract] OR N2O[Title/Abstract] OR “N(2)O”[Title/Abstract]

**Limits:** Published = 2008-2011; Language = English; Document type = Journal Article, Review, Letter, Comment, Editorial, and Corrections ONLY