

PEER REVIEW PLAN

Title:

Integrated Science Assessment (ISA) for Oxides of Nitrogen and Sulfur Environmental Criteria (Second External Review Draft)

Purpose/Objective:

The current secondary NAAQS for SOX, set in 1973, is a 3-h average 0.5 ppm of SO₂, not to be exceeded more than once per year. The secondary NOX NAAQS is identical to the primary standard set in 1971: 0.053 ppm NO₂ as an annual average. These secondary standards are intended to protect against direct damage to vegetation by exposure to gas-phase NOX or SOX. Acute and chronic exposures to SO₂ can have phytotoxic effects on vegetation, such as foliar injury, decreased photosynthesis and decreased growth. Similarly, exposure to sufficient concentrations of NO₂, NO, PAN, and HNO₃ can cause foliar injury, decreased photosynthesis and decreased growth. In addition, these gas-phase NOX may contribute to N saturation in some areas of the U.S. There is little new evidence overall for direct effects of exposure to gas-phase NOX or SOX on vegetation at current concentrations. However, there is some evidence that vegetation in regions with high concentrations of photochemical oxidants may be affected by HNO₃ exposure.

Product Completion Date (Actual):

08/08/2008

OMB Category:

Highly Influential

Peer Review Leader:

Cheryl Itkin
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External Peer Review Mechanism:

Nominated to the Science Advisory Board for Peer Review

Peer Review Expected to Begin:

1st Quarter, Fiscal Year 2009

EPA's Fiscal Years run from October to September.
Quarters for Fiscal Year 2009:
1st: October - December, 2008
2nd: January - March, 2009
3rd: April - June, 2009
4th: July - September, 2009

Was a deferral to peer review invoked?

No

Will an alternative peer review process be employed?

No

Number of Peer Reviewers		more than 10
Primary Disciplines needed in the review:	Carcinogenesis-Epi-Genetic, Chemistry-Atmospheric, Ecology-Ecosystem, Epidemiology, Exposure Assessment, Risk Assessment-Ecological, Risk Assessment-Human Health, Toxicology-Neurotoxicology	
Who will select the reviewers?	FACA	
Will the public, including scientific or professional societies be asked to nominate peer reviewers?	Yes	
Will public nominations be allowed through the Peer Review Agenda?	No	
Will there be opportunity for public comment on the product?	Yes	
Describe How and When	Federal Register	
Will the Agency provide significant and relevant public comments to the peer reviewers before they conduct their review?	Yes	
Will the review be a panel, conducted in public?	Yes	
Will public comments be allowed at the panel review?	Yes	