

## SESSION IV: Acid Rain Linkages - Ozone, Hazardous Air Pollutants, Particulate Matter, Eutrophication, and Climate Change

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My name is Tamara Blett with the Air Resources Division of the National Park Service, and I am pleased to be here with you this morning to begin the next session, Session IV, Acid Rain Linkages.

This morning we are going to explore sources of impacts of other air pollutants and air pollution-related phenomena in conjunction with acid rain. USA Today has been kind enough to help introduce this topic, by printing an article this morning on linkages between ozone, PM and sulfate. I think it is a very timely topic.

We have some excellent speakers ready to assist with this discussion. Dr. Paulette Middleton of the Rand Corporation will be talking about sources of pollutants, and Dr. James Galloway from the University of Virginia will be discussing impacts from those pollutants. Ozone, hazardous air pollutants, particulate matter, eutrophication and climate change are all extremely complex topic areas in their own right, and it would certainly take much more time than we have here to cover them thoroughly.

It is important to view acid rain precursors, such as SO<sub>2</sub> and NO<sub>x</sub>, in context with other pollution sources and to address acid rain impacts in context with other air pollution impacts society must face, like eutrophication of waterways and climate change. Scientists, land managers, policy makers, environmental advocacy groups, and the public are going to be increasingly involved in dialogue about the way in which source emissions reductions can be made to mitigate individual and cumulative impacts from all types of air pollutants.

These impacts have serious implications for the life support system on which this planet relies, as they impact the web of life in the soil, air and water that sustains ecosystems in humans.

That is the context in which I would like to begin this session.

I would like to start this session by turning it over to Paulette Middleton from the RAND Corporation, who will be discussing an overview of the sources.

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