principal measured indicator) participate in acid forming atmospheric reactions, and organics are precursors to oxidant formation. But ozone and some organics, can cause adverse effects by themselves, and may be transported along with heavy metals long distances across national and international boundaries. Of the three categories of materials discussed here (ozone, organics and metals), ozone has been the one most studied. The transport and environmental effects of the other two are less clear, but must be carefully monitored and evaluated.