

April 24, 2006

Ms. Susan Crowley  
Tronox LLC  
PO Box 55  
Henderson, Nevada 89009

Subject: **Perchlorate Remediation - Fourth Quarter 2005 Performance Report  
and Concurrence to Proceed with Installation of Athens Road  
Recovery Well ART-9**

Facility: **Tronox LLC**  
8000 W. Lake Mead Parkway  
Henderson, NV 89015  
**NDEP Facility ID #H-000539**  
**NPDES Permit # NV0023060**

Dear Ms. Crowley,

The Nevada Division of Environmental Protection (NDEP) has received and reviewed the *Quarterly Performance Report, Perchlorate Recovery System, Tronox, LLC, Henderson, Nevada* prepared by ENSR International, Inc. (ENSR) and dated January 2006. The referenced report was received in the NDEP Las Vegas office on January 27, 2006. This report was submitted by Tronox LLC (Tronox) in accordance with an Administrative Order on Consent (AOC) dated October 8, 2001 and summarizes the status of perchlorate remediation efforts through the fourth calendar quarter of 2005 (October through December 2005).

Information presented in the referenced quarterly performance report includes lithologic conditions encountered at the Athens Road Well Field in December 2005 during advancement of two exploratory soil borings (B-9 and B-10). Soil boring B-9 is located along the western portion of the well field between recovery well ART-4 and the centrally located Muddy Creek bedrock high. Soil boring B-10 is located along the eastern portion of the well field between recovery wells ART-6 and ART-7. The two soil borings were advanced to evaluate the need for additional recovery wells positioned to optimize capture of perchlorate-impacted groundwater and enhance effectiveness of the Athens Road Well Field.

**The NDEP concurs with the recommendation by ENSR and Tronox to install and test one additional 8-inch diameter recovery well within the Athens Road Well Field between ART-6 and ART-7 to a total depth of approximately 45 feet below grade. NDEP further concurs that the results of aquifer testing should be used to guide decisions regarding the nature and extent of possible well field modifications. Depending upon the results obtained from proposed well ART-9, existing recovery well pumping rates may be adjusted to allow for optimized recovery of perchlorate-impacted groundwater within the eastern portion of the Athens Road Well Field.**

Please make the necessary arrangements to permit and install proposed recovery well ART-9 and conduct necessary aquifer testing (pump tests) at your earliest convenience. Please keep the undersigned project officer apprised of the recovery well installation and testing schedule.

Ms. Susan Crowley; Staff Environmental Scientist  
Tronox LLC Henderson Facility; Facility ID # H-000539  
Re: Fourth Quarter 2005 Performance Report - Perchlorate Recovery System  
& Concurrence to Proceed with Installation of Athens Road Recovery Well ART-9  
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**Note:** Water discharges, withdrawals, and reinjections, and air emissions will require different state and local government permits. Coordination should be initiated immediately to determine which permits and approvals are required; or may require revision as a consequence of changes to remediation design. This information is best obtained from each agency of government, including state and local fire, health, public works, sanitation, transportation, building/construction, NDEP, and Nevada Division of Water Resources. Your project officer may provide assistance in this regard.

Please contact the undersigned at (702) 486-2850 ext. 230 or [tcroft@ndep.nv.gov](mailto:tcroft@ndep.nv.gov) if you have any questions regarding this letter

Sincerely,

Todd J. Croft, Supervisor  
Remediation Branch  
Bureau of Corrective Actions  
NDEP-Las Vegas Office

TJC:tjc

CC: Jim Najima, NDEP, BCA, Carson City  
Brian Rakvica, NDEP, BCA, Las Vegas  
Shannon Harbour, NDEP, BCA, Las Vegas  
Al Tinney, NDEP, BoWPC, Carson City  
Robert Thompson, Drilling Supervisor, Division of Water Resources, 400 Shadow Lane, Suite 201, Las Vegas, NV 89106  
Pat Mulroy, General Manager, SNWA, 1001 S. Valley View Blvd., Las Vegas, NV 89153  
Peggy Roefer, Water Quality Supervisor, SNWA, 1900 E. Flamingo Road, Suite 170, Las Vegas, Nevada 89119  
Mitch Kaplan, U.S. Environmental Protection Agency, Region 9, mail code: WST-5,  
75 Hawthorne Street, San Francisco, CA 94105-3901  
Brenda Pohlmann, Environmental Program Manager, Real Property & Environmental Management Division, City of Henderson,  
PO Box 95050, Henderson, NV 89009-5050  
Barry Conaty, Akin, Gump, Strauss, Hauer & Feld, L.L.P., 1333 New Hampshire Avenue, N.W.,  
Washington, D.C. 20036  
Rob Mrowka, Clark County Comprehensive Planning, PO Box 551741, Las Vegas, NV, 89155-1741  
Sun Liang, Ph.D., Interim Water Purification Unit Manager, Metropolitan Water District  
of Southern California, 700 Moreno Ave., La Verne, CA 91750  
Keith Bailey, Director, Waste Minimization, Tronox LLC, PO Box 268859, Oklahoma City, Oklahoma 73126-8859  
Ranjit Sahu, BEC, 311 North Story Place, Alhambra, CA 91801  
Richard Kellogg, BRC, 875 West Warm Springs Road, Henderson, NV 89015  
Craig Wilkinson, TIMEF, PO Box 2128, Henderson, Nevada, 89009-7003  
Kirk Stowers, Broadbent & Associates, 8 West Pacific Avenue, Henderson, Nevada 89015  
George Crouse, Syngenta Crop Protection, Inc., 410 Swing Road, Greensboro, NC 27409  
Lee Erickson, Stauffer Management Company, 400 Ridge Rd., Golden, CO 80403  
Chris Sylvia, Pioneer Americas LLC, PO Box 86, Henderson, Nevada 89009  
Paul Sundberg, Montrose Chemical Corporation, 3846 Estate Drive, Stockton, California 95209  
Joe Kelly, Montrose Chemical Corporation of CA, 600 Ericksen Avenue NE, Suite 380,  
Bainbridge Island, WA 98110