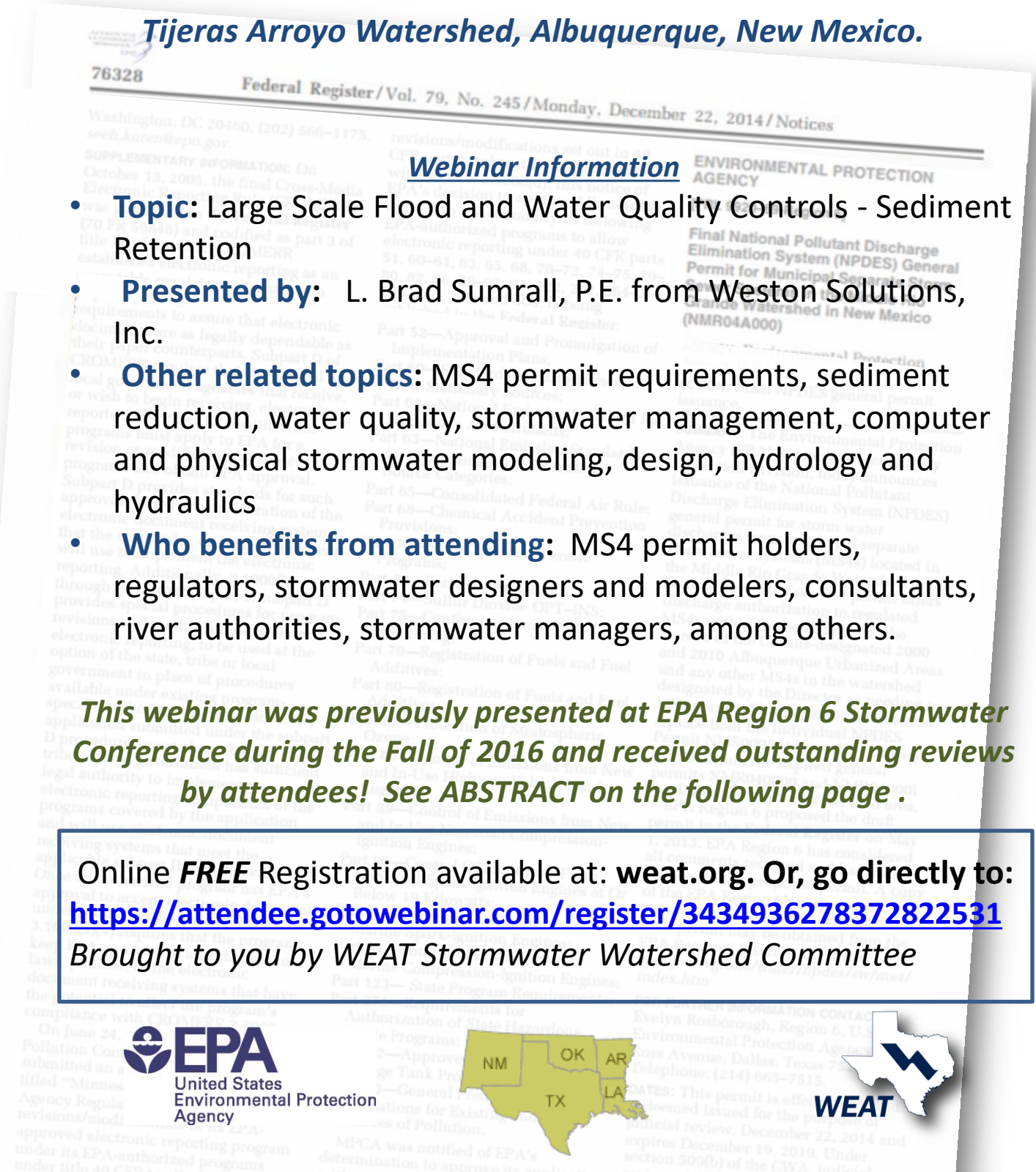
EPA Region 6 and **WEAT** Stormwater and Watershed Committee invite you to a ***FREE WEAT Webinar.***

MARCH 29, 2017 | 11:30AM-1PM

Sediment Retention Best Management Practice

Tijeras Arroyo Watershed, Albuquerque, New Mexico.



Webinar Information

- **Topic:** Large Scale Flood and Water Quality Controls - Sediment Retention
- **Presented by:** L. Brad Sumrall, P.E. from Weston Solutions, Inc.
- **Other related topics:** MS4 permit requirements, sediment reduction, water quality, stormwater management, computer and physical stormwater modeling, design, hydrology and hydraulics
- **Who benefits from attending:** MS4 permit holders, regulators, stormwater designers and modelers, consultants, river authorities, stormwater managers, among others.

This webinar was previously presented at EPA Region 6 Stormwater Conference during the Fall of 2016 and received outstanding reviews by attendees! See ABSTRACT on the following page .

Online ***FREE*** Registration available at: **weat.org. Or, go directly to:**
https://attendee.gotowebinar.com/register/3434936278372822531
Brought to you by WEAT Stormwater Watershed Committee

EPA United States Environmental Protection Agency

WEAT

EPA Region 6 and **WEAT** Stormwater and Watershed Committee invite you to a ***FREE WEAT Webinar.***

MARCH 29, 2017 | 11:30AM-1PM

Sediment Retention Best Management Practice

Tijeras Arroyo Watershed, Albuquerque, New Mexico

Webinar Abstract

The Middle Rio Grande Valley, which includes Albuquerque, New Mexico, is regulated under a Watershed Based MS4 permit issued in December of 2014. This permit has specific provisions requiring development and implementation of sediment management programs for all of the 16 permittees within the watershed. The Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA), as one of the permittees, continues to develop and construct flood control and storm water quality structures throughout the City to address MS4 permit requirements. The Tijeras Arroyo, located along the southern border of the City, flows westward from the Sandia Mountains and discharges into the Rio Grande. Encompassing over 100 square miles of semi-developed watershed, this arroyo generates large quantities of sediment due to its sparse vegetative cover, particularly from within the confines of Kirtland Air Force Base and the Sandia National Laboratory complex, a Department of Energy managed facility. Weston Solutions has designed a large scale sediment retention structure capable of capturing up to 50,000 cubic yards of material that is typically generated on an annual basis. The design was verified through both computer-based digital modeling and a 1:60 scale physical model constructed at the University of New Mexico Hydraulics Laboratory. The physical model results clearly demonstrate the system efficiency and hydraulic behavior of this multiple basin system capable of handling the 100-year design storm and the Standard Project Flood required for U.S. Army Corps of Engineers certification. This presentation will report the results of the digital modeling produced in Flo2D® and the physical model operation at various flow rates. The project is currently under construction and will be operational in time for the 2017 summer storm season.

EMAIL Julie Nahrgang, julie@weat.org WITH ANY WEBINAR CONTENT QUESTIONS.
GO TO: www.weat.org/calendar.shtml TO REGISTER or directly to:
https://attendee.gotowebinar.com/register/3434936278372822531

1.5 CEUs have been requested through the TCEQ for Wastewater Operators. Call the WEAT office; 512.693.0060 or email Julie@weat.org with any questions

EPA United States Environmental Protection Agency

WEAT