



PROBLEM SOLVED STORMWATER

CONTACT
Kyle Schildt, P.E.

303.962.5497 | kschildt@ltenv.com

Runoff Control to Limit Discharge to Surface Water

PROJECT HIGHLIGHTS:

1. LTE provided stormwater runoff control measures to limit discharge points to surface waters, and to isolate stormwater from potential pollutant sources.
2. A construction dewatering system was designed and implemented so as not to impair construction activities or permanent treatment investigations and planning.



Client: Brookfield Residential

Site Location: Adams County, Colorado

Duration: 2012 – Ongoing

Services Provided:

- Chemical & Material Management
- Due Diligence
- Engineering
- Health & Safety
- Site Investigation

CHALLENGE:

Buried solid waste from previous bridge demolition made it imperative that materials management simultaneously demonstrate compliance and proper due diligence while reducing/minimizing exposure to stormwater.

APPROACH:

The property slated for residential development had previously been used for manufacturing parts and supplies for the aircraft industry and therefore had impacts to be addressed during construction. As Brookfield's environmental consultant and stormwater compliance administrator, LTE guided Brookfield through a construction stormwater discharge permit audit, recommended stormwater runoff control measures to minimize pollution from potential historical sources, and prepared a stormwater management plan. LTE navigated through Colorado Department of Public Health and Environment regulations and reporting requirements and worked with Brookfield to determine the potential need for long-term treatment of low concentrations of trichloroethylene in the groundwater and provided design options.

RESULT:

Runoff control measures were designed and implemented to limit discharge to surface waters and to isolate stormwater from potential pollutant sources. In addition, beneficial use permits were obtained to incorporate select materials into open spaces and park areas, thus reducing wastes requiring disposal.