



14 April 1998

BJAAM Environmental Inc.  
P.O. Box 523  
455 Beverly Ave.  
Canal Fulton, Ohio 44614

Attn: Troy L. Schultz, CPG

**Reference: Corrective Measures Plan - Cost savings resulting from the use  
of Risk Assessment Methods  
BFI Carbon-Limestone Sanitary Landfill  
Mahoning County, Ohio**

Mr. Schultz,

BJAAM Environmental Inc. recently completed a Risk Assessment to evaluate the potential human health risk associated with the documented ground water impacts at the BFI Carbon-Limestone Sanitary Landfill. The Risk Assessment was used to determine the possible need for engineering controls to remediate the ground water at the facility, and to establish site specific Ground Water Protection Standards for constituents of concern. These new standards will be used to statistically evaluate the condition of the ground water at the site for future detection monitoring events.

The Risk Assessment Study scientifically demonstrated that the impacted ground water posed no risk to human health or the environment. Without this risk-based study OEPA would have likely required BFI to construct an active groundwater treatment or barrier system. Similar systems, required prior to the use of risk assessment, have cost several millions dollars with minimal beneficial improvement to the environment. BFI has elected to institute relatively minor adjustments to the facility Leachate and Landfill Gas collection systems that should minimize any future impacts even though the risk based study indicated that they are not required to be protective of human health.

The over all cost of the Risk Assessment study completed by BJAAM and the engineering controls that will be implemented by BFI will be a small fraction of the cost that would have been associated with a traditional ground water remediation program. The use of Risk Assessment by BJAAM will result in a savings of several million dollars over the life of the facility and through the use of site

specific Ground Water Protection Standards prevent the facility from having to do needless, costly, ground water assessments in the future.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tony Romito". The signature is stylized with a large initial "T" and a long horizontal line extending to the right.

Tony Romito  
Senior Hydrogeologist  
Ground Water Services

AAR

c: M.Allendorf/J.Oneacre/file