

1 Purpose and Scope of Works

1.1 The Purpose of This Report

This report presents the results of remediation work that we have carried out at Triangle Filling Station, Stamford Hill, North London. The purpose of our remedial work was to reduce concentrations of known contaminants at the site to acceptable levels. We used a quantitative risk assessment, based on the risk posed to both human and environmental receptors, in order to determine what constituted an acceptable level for each identified contaminant.

All the activities comprising this report were carried out in accordance with the procedures set out in our Quality Manual. Your attention is drawn to the Notice to Interested Parties included as Attachment One.

1.2 Previous Reports Used in This Assessment

We have referenced the following reports in compiling this assessment:

- Ref.1 "Environmental Investigation Report", 97252 000A, January 1998, Subadra Ltd;
- Ref.2 "Remedial Action Plan Report", 97252 CL 007, June 2000, Subadra Ltd;
- Ref.3 Letter to Environment Agency, 97252 RE 005, 27th October 2000, Subadra Ltd;
- Ref.4 "Environmental Report on Site Decommissioning", 97252 CL 014, October 2001, Subadra Ltd.

This report should be read in conjunction with these documents.

2 Remedial Objectives

2.1 Determination of Remedial Objectives

We determined the target clean-up levels for the site by carrying out a Tier Two Quantitative Risk Assessment (Ref.2). These target levels were then reassessed after consultation with the Environment Agency (Ref.3). We used the following as targets for our remedial works:

	Soil (mg/kg)	Groundwater (ug/litre)
Benzene	1.03	160
Ethylbenzene	<Residual	8,000
MTBE	3.62	Not applicable
Toluene	38.0	1,300
Xylene	<Residual	1,000

Table One: Target Clean-Up Levels

2.2 Determination of the Area Impacted by Contaminants

We interpreted the area impacted by the identified contaminants from data contained in the Environmental Investigation Report (Ref.1). The affected area is shown graphically in Figure One.