

KAIZEN ENVIRONEWS

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ENVIRONMENTAL IMPACT ASSESSMENTS

Environmental Impact Assessment (EIA) is a tool used to identify the environmental, social and economic impacts of a project prior to decision-making. It aims to predict environmental impacts at an early stage in project planning and design, find ways and means to reduce adverse impacts, shape projects to suit the local environment and present the predictions and options to decision-makers. By using EIA both environmental and economic benefits can be achieved, such as reduced cost and time of project implementation and design, avoided treatment/clean-up costs and impacts of laws and regulations.



EIA OBJECTIVES

- To identify, describe and assess possible direct environmental impact of the planned activity and to ensure that the environmental aspects were taken into account prior to the beginning of this activity.
- Inform all participants of the EIA process.
- Optimize the planning and design process in order to avoid environmentally unfavourable location, technical, constructional and maintenance solutions.
- Foresee alternatives for the planned economic activity and ensure preconditions for the selection of the most suitable alternative.
- Foresee measures to avoid, mitigate, restore or compensate for the possible negative impact and plan the implementation of these measures

ADVANTAGES OF CONDUCTING AN EIA

A well executed and thorough EIA can lead to cost effective mitigation. When environmental mitigation is integrated as a fundamental part of a project design, rather than as an add-on exercise, it will reduce project costs. An EIA is also an important tool for project planning and as such can minimize the risks for misunderstandings, provide clarity about environmental implications and lead to better cooperation between all stakeholders including project owners, contractors and the public.

PHASE I AND II ASSESMENTS

Phase I Environmental Site Assessment

A Phase I Environmental Assessment consists of an "all appropriate inquiry" into the site's environmental history including:

- A site visit and evaluation with personal interviews which identify possible past, present, or potential environmental concerns or risks.
- A review of pertinent data for the site, adjacent properties and properties within the vicinity, including regulatory information from state, and local agencies.
- A review of the site's prior ownership with a search (i.e. title search).
- Preparation of the Phase I report which summarizes findings of the historical research and assesses the degree of potential environmental concern for the site.



Phase II Environmental Site Assessment

Once recommended, a Phase II Environmental Site Assessment serves to confirm or deny the potential presence of environmental impacts at the subject site as discovered and identified in the findings of the Phase I ESA. A Phase II ESA may consist of:

- Soil sampling and analysis to identify suspected contaminants in the soil at the site
- Groundwater sampling and analysis to identify suspected contaminants
- Hazardous substance and sludge analysis
- Lead in drinking water surveys

KAIZEN AND EIA'S

The **PROJECTServices** division of **Kaizen** executes environmental consulting and contracting in the form of project works. The division has three service sections one of which is Assessment and Remediation. The services provided by this section include the following:

- **Environmental Impact Assessments**
- **Phase I and II Assessments**
- **Certificate of Environmental Compliance Applications**
- **Pre-requisite Environmental Assessment**
- Contamination Delineation
- Site Remediation /Reclamation and Restoration
- Groundwater Monitoring
- Groundwater Well Installation
- Drill Water Disposal
- Contamination Excavation and Removal
- Bio-remediation

A **PROJECTServices** representative would be happy to come with you to further discuss these services and assist in providing the solution to any of your needs.

Additional information can also be sourced at www.kaizen-tt.com.

TRINIDAD & TOBAGO PETROLEUM CONFERENCE



Kaizen Cocktail Reception

Kaizen was very proud to be a prime partner at this years Trinidad and Tobago Petroleum conference along with BPTT, Methanex and Repsol YPF and hosted by the South Trinidad Chamber of Industry and Commerce.



Kaizen Booth at the TTPC



Ms. Renatta Jones of the STCIC choosing the winner for the Kaizen hamper.

This years theme was “Energy for Competitiveness” and focused on the issue of competitiveness and the energy sector in locally, regionally and globally.



Mr. Keith Narinesingh Of Fluor Summit, winner!

FUTURE ANALYSTS AND THE **KAIZENLAB!!!**

KaizenLAB was proud to welcome students from various schools across the country to our facilities to enlighten and demonstrate to them our analytical services, highly technical equipment, and strict Quality Control Policies and Procedures.

We welcomed schools such as Presentation College (San Fernando), Holy Faith Convent (Couva) and Lakshmi Girls (St. Augustine).

The students were given a tour of the different sections of the Lab such as the Wet Chemistry areas, the Balance room, the Gas Chromatography room and the Atomic Absorption room.

Detailed explanations on Sample Receipt and Quality Control protocols were offered to the students by our highly trained and competent team of analysts.

Demonstrations of selected tests were also performed and the chemical concepts behind the tests were introduced to the students.

In addition, **KaizenLAB** assisted two of the schools in completing their School Based Assessments by offering sample bottles and analytical services free of charge for two of their projects.

The students of Holy Faith Convent submitted samples from six points in the Chaguaramas area and **KaizenLAB** performed analytical tests for parameters such as lead, mercury, Faecal Coliforms and E.Coli.

The students of Presentation College also submitted samples from two points along the Guaracara River and **KaizenLAB** analyzed these for Dissolved Oxygen, Nitrates, Phosphates, Biological Oxygen Demand and several other parameters.



Kaizen Environmental Services (Trinidad) Limited. # 18 Casuarina Avenue, Pointe-a-Pierre. Trinidad, W.I.

Phone: (868) 658-0088 , Fax.: (868) 658-1195

Website: www.kaizen-tt.com

Chief Editor/ Graphic Artist: *C. Peters*. Editorial Committee: *D. de Freitas, F. Ali, S. Somair, K. de Freitas, C. Dass, R. Burris, D. Debideen*