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Management Vision

We have specialized technical know-how, the highest caliber of employee and level of knowledge and experience of the local market that can only be gained over time.

We anticipated the current level of development that is taking place in Qatar. Therefore, we worked hard to lay the foundations of the company, creating good relationships with peers and clients while building a strong reputation of delivering quality.

We are proud of what the company has achieved.

BWTC VISION

1. Keep the environment in Qatar clean
2. Grant safe thermal destruction of hazardous waste where revalorization isn’t possible.
3. Enhance economics of the communities around BWTC
4. Improve employees’ health and educational status
Corporate Overview

Boom Waste Treatment Company (BWTC), builds long-term, sustainable relationships with customers through delivering world-class waste management solutions. Our highly-trained sales & management team assists customers in finding the right solution that meets the unique requirements of their business, and coordinates the right skills and technologies from across Boom group of companies to provide solutions that are economical and sustainable.

Our commitment to environmental responsibility means that we can assure our customers that any waste, both hazardous and nonhazardous, will be handled and processed in accordance with the most appropriate environmental guidelines.

Since 2001 BWTC has built its business on careful planning, depth in technical management, and a corporate structure that promotes the reliable and successful completion of customer assignments. Our customers receive technical assistance in the preparation, identification, and packaging of waste streams for safe shipment, storage, and ultimate destruction with access to the project support from BWTC Field Services division, Transportation services division and Disposal Services Division. The company’s management team is committed to providing the manpower and the managerial oversight needed to ensure that projects are completed within budget and timeframe guidelines so that client goals are achieved in the safest and organized manner.

BWTC understands its client’s concerns and provides services that are a level above and beyond expectations. Industrial, Biomedical and other types waste streams management and remediation are serious matters.

Customers want the waste management firm they choose to handle their waste correctly, safely, legally, and on time. We believe that this is good business and do not take this task lightly. It is the focus of the company’s goal for continuous improvement.

Over the following years BWTC has grown into one of the region’s leading full service waste management firms supplying a broad range technically focused remediation, transportation/collection, and disposal options for the full breadth of all types of waste streams such as: Bio-Medical waste, hazardous waste, Veterinary waste and all other types of incinerable wastes approved by the Ministry of Environment.

A full collection and destruction service is provided in line with the requirements from the Ministry Of Environment and a full ‘Duty of Care Documentation’ is supported. This not only fulfills the needs of legislation but also provides clients with proof of the destruction to their waste material.

Since the humble of our past years, BWTC operates the state of art incineration plants that have been designed and manufactured to comply with the very latest European Guidelines on Integrated Pollution Control. Monitoring equipment coupled with the safety lockouts will ensure the plants always operates with in the terms of license granted by the Ministry of Environment Department. We have taken a huge part of waste management services in the State of Qatar and by the years we have built a strong team to undertake solutions and clarify each segment of wastes in the market. Over the years we have built a strong reputation and relationships with our customers, worked side by side with the ministry environmental departments to resolve solutions to all obstacles obtained along the years with both visions on saving our environment.
Mission
Boom Waste Treatment Company will strive to offer and maintain excellent services by providing high quality of work, applying the latest available technology and having a safe workflow environment. Sustaining high level of qualified personnel and build a professional team committed to serve our clients. Our pledge is to establish lasting relationships with our customers by exceeding their expectations and gaining their trust, through exceptional performance by every member of our team.

We will be committed to our Corporate Social Responsibilities and help enrich the quality of life toward the communities we serve and support programs and partnerships that address the community specific needs. We will make a positive impact to the planet by striving to become committed corporate citizens and be sensitive to the communities, countries and environments that we serve.

Objectives
To be the leading local firm in the State of Qatar for the field of Waste Management, BWTC will do its best to offer excellent services by providing high quality of work, applying the latest available technology for the industry and seeking the opportunity in higher weighted projects.

Boom Waste Treatment Company significantly plans to expand into the disposal of all types of waste from all companies to improve profit margins and increase local market share.

Objectives from the Communities’ Perspective
- Employment
- Health
- Education
- Supporting Social Enterprises in the communities nearby our work sites
- Environmental promotional activities.

Safety, Health & Environment
We care for the environment health, and safety of every employee, the community we serve in and the society at large. We will create a safe working environment by strict adherence to our stringent Health, Safety and Environment Policies and also be compliant to all the relevant laws of the land. We will demonstrate the highest standards of excellence in health, safety and environmental protection for our employees, customers and communities in which we operate.
**Service Sections**

BWTC’s team of experienced professionals has performed hundreds of environmental remediation, clean-up, collections, emergency response, waste disposals and waste removal projects for private and public sector clients throughout the State of Qatar. As a result of this experience, we have gained a unique knowledge and understanding of the diverse requirements and needs of a broad customer base. To cost effectively meet these needs and efficiently communicate our capabilities to the market, BWTC divides its services into three main areas: Field Services, Transportation Services and Disposal Services. When we undertake a project for our customers, these broad disciplines are combined to seamlessly provide the high quality, cost effective services that BWTC has become known for.

**Field Services**

The Field Service group provides highly trained and experienced personnel and the equipment necessary to successfully complete the wide range of remediation, industrial facility maintenance, and emergency response projects undertaken by BWTC. We integrate our highly trained field personnel and a large inventory of specialized tools and equipment to safely complete complex projects on time and within the customer’s budgetary constraints. All field personnel have successfully completed forty hours of initial Hazardous Waste Site Operations training in accordance with OSHA’s 29 CFR 1910.120 and have received the required either hours of yearly refresher training. BWTC’s project managers have over 45 years of combined experience completing a wide variety of projects for a diverse customer base of public and private sector clients. They apply this knowledge and experience to provide our clients with innovative and cost effective solution to difficult problems.

Projects completed by BWTC’s Field Service group include:
- UST & AST cleaning and removal
- On-site tank closure
- Soil excavation and disposal
- High hazard tank cleaning
- Asbestos removal
- Home heating oil spill clean-up
- Building decontamination
- Industrial maintenance services
- Groundwater treatment systems
- Bio-remediation services
- Dewatering
- Excavation, characterization, and disposal of buried drums
- Demolition of contaminated structures
- Treatment system installation

**Transportation Services**

The transportation of Industrial, Medical & other types of dangerous waste streams are the most vulnerable link in the “cradle to grave” responsibility for the proper disposal of these waste streams and offers the greatest exposure to generators. Customers want more than just an insurance policy from their transporter. They expect top quality equipment, operated by well-trained drivers, dispatched to meet their time critical needs and requirements. Early in its history BWTC realized that one of the keys to success in the environmental services business was the ability to control and manage all aspects of its dangerous waste transportation business.

To ensure that its customer’s schedules are met and their liabilities are protected, BWTC owns and operates a fleet of meticulously maintained equipment fully permitted to transport both bulk and containerized liquid and solid wastes to the key treatment and disposal facility. As a service, BWTC provides and completes all of the necessary forms and paperwork to make waste shipments easy while ensuring compliance with the complex environmental regulations. This attention to customer service, combined with BWTC’s team of highly trained drivers and meticulously maintained equipment ensures that our customer’s waste materials arrive at their final treatment or disposal facilities safely and on time.

BWTC’s transportation equipment includes:
- Roll-off trucks
- Roll-off trailers
- Dump trucks
- 20 yard dump trailers
- Vacuum tank trailer
- Straight vacuum tank truck
- Vactor
- Van trailers
- Chiller trucks
- Box trucks with power lift gates
- 50 Waterlight roll-off containers
- 10,000 gl FracTank
Disposal Services

BWTC’s Disposal Services group provides technical support to our clients for waste disposal, remediation, and emergency response projects. This group supplies waste characterization and profiling support to clients as well as internal staff. It is responsible for developing waste disposal options and alternatives and for responding to client questions. Disposal Services also performs all of BWTC’s lab-pack projects and manages all “high hazard” projects. In addition, the Disposal Services group provides sampling, analysis, and characterization services either as stand-alone assignments or in support of larger disposal or remediation projects.

Typical services provided by BWTC’s Disposal Services group include:

- Field Sampling
- Analysis
- Waste Characterization
- Waste Profiling and Packaging
- Disposal Paperwork Completion and Management
- Small Quantity Chemical (Lab-Pack) Management
- Bulk and Containerized Liquid and Solid Hazardous Waste Disposal
- High Hazard Project Management
- Incinerating all types of waste streams approved by Ministry of Environment.

Facilities

Features of the Facilities

Plant 1:
The Capacity for Incineration of Clinical Waste & other types of incinerable wastes may be permitted only with the specific approval of the Ministry of Environment is 10,000 kg/day.
- Approved capacity of 10,000 kg/day
  - Working h/day 8 : 10 MT Daily Capacity
  - Incineration at 850 °C
  - Post combustion at 1'200 °C; 2 sec
  - The Flue Gas Emissions comply with US EPA Guidelines
  - Primary Chamber with Burners having temperature controlling device facility.
  - Ash Collection Skip.
  - Waste Storage & Segregation Area.
  - Diesel Storage Tank

Plant 2:
The Capacity for Incineration of Clinical Waste & other types of incinerable wastes may be permitted only with the specific approval of the Ministry of Environment is 15,000 kg/day.
- Approved capacity of 15,000 kg/day
  - Working h/day 24 : 15 MT Daily Capacity
  - Incineration at 850 °C
  - Post combustion at 1'200 °C; 2 sec
  - Weighing Bridge
  - Quench
  - Wet scrubber
  - The Flue Gas Emissions comply with 2000/76/EC
  - MODE 24 CS will be controlled by PLC (Programmable Logic Controller System Access to real time parameters fro MoE/Govt Authorities
  - Primary Chamber with Burners having temperature controlling device facility.
  - Ash Collection Skip.
  - Waste Storage & Segregation Area.
  - Diesel Storage Tank
Process and Procedures

All the incinerable hazardous wastes, permitted, shall be received & stored on-site strictly in a segregated manner. All necessary precautions and safety measures shall be taken in storage of such wastes, to avoid spreading of any infection or safety hazards. The incinerable hazards wastes shall be stored in a compatible manner, in order to avoid any antagonistic effect of such storage.

All the incinerable medical wastes shall be stored in an air-conditioned storage with a temperature of < °4C, to ensure complete isolation and prevent further biodegradation. Even with these storage conditions, such infectious wastes shall not be stored for more than 48 hours and subject to the treatment as soon as possible. All necessary measures shall be taken to avoid any direct contact, while handling these wastes. There shall be an automatic feeding of these wastes for the treatment. The storage system shall be fully proofed to avoid any insect breeding and spreading of contamination.

The volatile and semi-volatile incinerable wastes shall be stored onsite under a covered shed and in such containers as to avoid thermal stress, leading to any kind of safety hazards. The containers, storing such wastes, shall be completely leak-proof and regularly inspected for the integrity. The storage area shall be on well-paved flooring, with proper drainage and arrangement for collection of waste material, spilled or leaked accidently.

The measures shall be taken to prevent filtering of the wastes in the storage areas and also, while loading for the treatment. The incineration system shall have two combustion chambers, viz: Primary & Secondary. The temperature in Primary Chamber and Secondary Chamber shall be not less than 850°C and 11000°C, respectively. The gas retention time in Secondary Chamber shall be not less than 2 seconds. The incineration system shall be such designed as to achieve the best energy utilization and destruction of toxic constituents. The incineration system shall have proper instrumentation to monitor the operational parameters, including Oxygen content and temperature.

The Primary Chamber shall have automatic waste feeding system, so as prevent direct contact and also, to ensure uniform feeding. The Combustion Chambers of incinerator shall be designed and operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon (TOC) in the slag and bottom ash less than 3%, or their loss of ignition shall be less than 5% of the dry weight. The Destruction & removal Efficiency (DRE) of the incinerator shall be at least 99.99%, in order to ensure the complete destruction of toxic constituents.
Our Strength

Man Power
At each level, BWTC selects the most qualified people for the job, regardless of any other consideration, and train them rigorously and continuously. BWTC commits to constantly improve the support and training of its valued workforce.

Plants, Machineries & Equipment
The critical roles of our Plants, Machineries & equipment’s is well indicated by the selection of only the latest and most advanced available models. Micro scoping Maintenance procedures are closely followed and conducted to keep them always in top operating conditions.
Process Block Chart

Flue Gas Treatment
Subject: Renewal of Consent to Operate for Boom Waste Treatment Company (BWTC), Mesaieed

This has reference to your letter no. BWTC/559/2015 dated August 9, 2015 enclosing an application for renewal of Consent to Operate for Boom Waste Treatment Company (BWTC) at Mesaieed. As a part of the procedure, the representatives of the Ministry of Environment had inspected the Industry on 25 August 2015. Based on the information submitted with the application and the site visit, the CTO has been finalized.

BWTC was granted an EIA clearance by the then SCEHR (now MOE) for this industry vide letter No. SCE 0017/410/2012 dated July 14, 2012. In accordance with Law No. 30 of 2002 and its By-Law no. 4 of 2005, Consent is hereby renewed subject to fulfilling the conditions given in the Appendix.

Boom Waste Treatment Services shall keep records of all its activities as laid down in the Consent to Operate in the format given in the Annexure 6 of the By-law no. 4 of 2005.

This Consent is valid up to the date specified in the certificate or till such period by which the source specific standards would be reviewed and the modified environmental conditions would be incorporated in the revised consent order for which a fresh application shall be made.

Credentials

Ministry of Environment

EID-13555

EID-13555

EID-121580

EID-121580

SPECIFIC CONDITIONS:

1. This is a renewal for the permit No. EID-13555

2. This Environmental Permit is related to the installation of a Common Medical-cum-Hazardous Waste Incineration Facility to be set up by Ms/Boom Waste Management Co., the Project Proponent (PP), in Mesaieed Industrial City (MIC). The project site, measuring an area 7500 m² at MIC, shall have medical & specific hazardous waste reception, treatment & disposal facility. The project site coordinates are:

   EASTING  NORTHING
   226473.665  361415.353
   226550.088  361373.574
   226510.421  361298.496
   226433.099  361346.275

3. The proposed common Medical-cum-Hazardous waste incineration facility, to be referred as 'Facility' in this document, shall collect & receive only following types of wastes, in a solid, semi-solid or liquid state –

   a. Properly segregated incinerable medical wastes from the Clinics, healthcare facilities and Medical Laboratories, as proposed. This shall mainly include infectious medical wastes, wastes contaminated with blood & its derivatives, other body fluids of hazardous nature, cotton wastes wet with solvents, incinerable laboratory wastes contaminated with blood & other contaminated wastes, and expired medicines.

   b. Properly segregated incinerable hazardous wastes, consisting mainly – oil sludge, oil filters, engine filters, oil contaminated rags, organic residues, waste solvents and other incinerable wastes.

   The wastes containing spent catalysts, Pesticides, or PCB shall not be received for incineration. Also, there shall not be any receipt of non-segregated & non-incinerable wastes at the Facility. The incinerable hazardous wastes, notable in nature, shall be incinerated immediately upon the receipt of such wastes.

4. The Facility shall provide all required infrastructure for management, including – collection, reception, storage, incineration & disposal - of medical & other incinerable hazardous wastes as per the best international practices.

أحمد عبد الكريم الباري
مدير إدارة التقييم البيئي بالإدارة
4.2 Facilities
1. One Incinerator with following arrangements:
   - Primary Chamber (Pyrolytic) with Burners having temperature controlling facility.
   - Secondary Chamber (Thermal Reactor) with Burners having temperature control facility.
2. Waste storage and segregation area
3. Three Refrigerated storage each of capacity 20 tons with auto cooling system of 4°C
4. Ash collection skip and Storage area
5. Diesel storage tank
6. Refrigerated Waste Transportation Vehicles 3 Nos.
7. Administrative Office

4.3 Capacity
The capacity for incineration of clinical wastes will be 10,000 Kg/day. As per the EIA clearance No. 0017-416-2002 dated 14 July 2002 the Industry is also authorized to incinerate chemical wastes namely, mud cuttings, tank sludges, oil contaminated soils and filters. Other types of wastes may be permitted with the specific approval of MOE.

5.0 PROHIBITIONS AND LIMITATIONS

5.1 Prohibitions
1. There should not be seepage of wastes or free oil from the premises to land or to Gulf through storm water.
2. There shall not be spillage, discharge of oil-based fluids or emulsion and spread of infection during transportation, storage and treatment of wastes.
3. Wastes containing measurable poly chlorinated biphenyls (PCB) shall not be incinerated in this facility.

5.2 Limitations
Discharge limits and monitoring procedures are intended to demonstrate compliance with applicable treaties, laws and standards for Qatar and the Arabian Gulf. Discharges shall be limited and monitored as outlined in this permit.

5.2.1 All operations shall be in accordance with good environmental practice at all times. Efforts shall be made to minimize waste and continuously improve environmental performance.
“Our Goal is to see all the employees and the communities around the work sites happy with enhanced economic, health and educational status in a relatively better working and living environment.”