

PROJECT CLEAN AIR

Certification Scheme for Clean Air Charter

Final Report

For

Vogue Laundry Service Limited (Vogue)



Prepared by



May 2012

1. INTRODUCTION

Vogue Laundry Service Limited (Vogue) is a wholly owned subsidiary company of Cathay Pacific Airways and a member of the Swire Group. Established in 1964, Vogue Laundry is one of the major commercial laundry companies in Hong Kong servicing airlines, hotels, club houses and institutions. The Company's network of valet shops provides professional dry cleaning and laundry services to the retail sector. With a workforce of around 580 employees and a fleet of 28 delivery trucks, Vogue runs operation 18 hours daily.

Vogue is the first laundry company in Hong Kong that attained the ISO14001 and OHSAS18001 certification. Vogue also is a member of the Drycleaning & Laundry Institute International, with ISO 9001, Q-Mark Service Scheme and Green Mark accreditation.

This report outlines the findings of the Business Environment Council Limited (BEC) from a site audit and interview with Mr. George Man – Manager QA, Environment, Health & Safety and Mr. Calvin Cheng – Environment, Health & Safety Officer.

From the pre-audit questionnaire completed by Vogue, it was determined that Vogue fits into Group C category of the certification scheme, showing that the organization has comprehensive management systems in place and means to identify and verify the implementation of energy efficiency / emission reduction programmes which are in compliance with the Clean Air Charter.

The site audit was conducted at Vogue and led by our Ms Konnie Yu (Senior Specialist) on 23rd May 2012. The purpose of this audit was to verify Vogue's commitments to the Clean Air Charter.

2. OBSERVATIONS AND COMPLIANCE

Based on the site meeting, Vogue's programmes and practices on reducing air emissions were reviewed. In general, a systematic approach on addressing the Clean Air Charter's commitments has been implemented as follows:

- Vogue is committed to protect the environment, health and safety (EHS) of their employees, customers and the communities.
- Vogue has environmental, health and safety policy in place, which clearly describes the responsibilities of Vogue employees, with primary objective to reduce environmental impacts arising from its operation.
- Vogue is the first laundry company in Hong Kong that attained the ISO14001 and OHSAS18001 certification.
- The engineering department of Vogue is responsible for recording the energy consumption on daily basis and the energy consumption data are monitored and reviewed through weekly management meeting, monthly EHS meeting and management review meeting.
- In 2012, Vogue's objective is to reduce 1% of CO₂ emission by the end of 2012 as compared with the emission level of 2011.
- Information on air mission/energy reduction is included in the induction training for new staff as well as refresher training for existing staff.

Regarding the six commitments of the Clean Air Charter, the table below summarises the achievements of Vogue:

Commitment	Action done
1) Operate to a recognised world class standard, or the standards established by the Hong Kong / Guangdong governments on emissions of air pollutants, even if it is not a requirement to do so here. (Relevant to industrial operations, power plants and business with direct emissions)	<ul style="list-style-type: none"> ◆ The energy consumption data are monitored and recorded by engineering team on daily basis. ◆ Vogue complies with the requirements under the Air Pollution Control Ordinance as set out by the Hong Kong Environmental Protection Department.
2) Use continuous emissions monitors (CEMs) at significant sources, e.g. large and medium plants. (Relevant to large / medium industrial operations and power plants)	<ul style="list-style-type: none"> ◆ Emission from steam boiler, operation and delivery trucks are identified as the prime source of air emissions from daily operations of Vogue and the major air pollutants generated include CO₂, SO_x and NO_x. ◆ The emission from boiler chimney is visually monitored daily by the CCTV system.

Commitment	Action done
	<ul style="list-style-type: none"> No continuous emissions monitoring is required under the Air Pollution Control Ordinance and hence continuous emission monitoring is not applicable to the scope of Vogue's operation with regards to the CAC commitments.
<p>3) Publish information on energy and fuel use, as well as total emissions of air pollutants annually and timely, if emissions are significant.</p>	<ul style="list-style-type: none"> Vogue publishes their electricity, fuel and ozone-depleting substances consumption, carbon dioxide emissions in Cathay Pacific Airways' annual Sustainable Development (SD) Report and website. <div data-bbox="808 642 1344 1020" data-label="Image"> </div> <p data-bbox="776 1037 1382 1066">Cathay Pacific Airways SD Report – Our Shared Journey</p> <ul style="list-style-type: none"> Vogue has compared their energy consumption on monthly and annual basis.
<p>4) Undertake to adopt energy-efficient measures in their operations.</p>	<p>Vogue has implemented a number of energy-efficient measures in their operations to reduce emissions, including:</p> <ul style="list-style-type: none"> All diesel steam boilers have been replaced by dual fuel steam boilers using town gas and diesel. <div data-bbox="833 1413 1321 1780" data-label="Image"> </div> <p data-bbox="862 1793 1295 1822">Dual fuel steam boiler – Towngas supply</p>

Commitment	Action done
	<div data-bbox="831 243 1321 606" data-label="Image"> </div> <p data-bbox="857 625 1295 653">Dual fuel steam boiler – diesel fuel supply</p> <ul data-bbox="706 667 1453 800" style="list-style-type: none"> ◆ Vogue operates 28 delivery trucks and 57% of which are Euro 3 or above. In 2010, an older, five-tonne pre-Euro vehicle was removed from the fleet and replaced by a ten-tonne Euro 5 truck. <div data-bbox="818 814 1334 1104" data-label="Image"> </div> <p data-bbox="967 1121 1188 1148">Euro 5 delivery truck</p> <ul data-bbox="706 1165 1453 1465" style="list-style-type: none"> ◆ Eco-driving trainings are arranged for Vogue's drivers regularly. ◆ Old washing machines, pressing machines and ironing machines are replaced by the more energy efficient models. ◆ Variable speed compressor has been adopted to improve ventilation in compressor room, which could achieve 3-5% direct energy saving. <div data-bbox="886 1484 1282 1822" data-label="Image"> </div> <p data-bbox="932 1839 1224 1866">Variable speed compressor</p>

Commitment	Action done
	<ul style="list-style-type: none"> ◆ Vogue has continued to reduce perchloroethylene emissions through active carbon absorption in dry cleaning machines. ◆ T5 energy efficient fluorescent tubes have been adopted in workshop on a trial basis. <div data-bbox="922 443 1232 856" style="text-align: center;"> </div> <p style="text-align: center;">T5 fluorescent tubes in workshop</p>
<p>5) Identify and encourage business-relevant measures to be taken on days when air pollution is high.</p>	<ul style="list-style-type: none"> ◆ Vogue would notify staff on days when air pollution is high through notice board and intranet. ◆ Staff members are encouraged to take environmentally friendly public transport.
<p>6) Share air quality expertise in business with others.</p>	<ul style="list-style-type: none"> ◆ Vogue shares their best practices among the Swire Group companies through regular environmental task force meeting. ◆ Environmental achievements are communicated with other companies through annual Sustainable Development (SD) report, newsletter and website. <div data-bbox="760 1396 1396 1837" style="text-align: center;"> </div> <p style="text-align: center;">Vogue's newsletter</p>

3. CONCLUSION

Vogue Laundry Service Limited has demonstrated their commitments towards the Clean Air Charter's commitments and is recommended to be certified under the Clean Air Charter.