

Brief introduction of the Excursion on 7th November 2007

Time	Program
8:00	Leave from the Greenlake resort and hotel to Northern Region Industrial estate in Lamphun which is approximately 25 km away from Chiang Mai.
9:30 - 11:30	<p>Arrive at Northern Region Industrial estate in Lamphun. Visit industrial estate area and environmental management system of the industrial estate.</p> <p>Central Wastewater treatment plant (WWTP) is about 12,000 m³/day capacity. The WWTP system consists of 7 ponds and a detention reservoir which are as follows :</p> <ul style="list-style-type: none">- Two aerated ponds (15,000 m² area with 4 m depth. and 5,000 m² area with 2.5 m depth.)- Two facultative ponds (Each pond, 18,000 m² area with 2.5 m. depth.)- Two Oxidation ponds (Each pond, 17,100 m² area with 1.5 m. depth.)- One detention reservoir (30,000 m² area with 1.5 m. depth.) <p>Water supply plant capable of supplying about 15,000 m³/day obtained raw water from the nearby Kuang River which is stored in a 600,000 m³ reservoir.</p> <p>Two incinerators are provided with a capacity of solid waste input of 180 kg/hour and 50 kg/hour.</p>
12:00 - 13:30	<p>Lunch at Lamphun Tourist Center in Lamphun city. After luncheon period participants can go by walking to visit the historic attraction place of Lamphun city, Wat (temple) Phrathat Haripunchai which is located near the tourist center.</p>
14:00 – 16:00	<p>Arrive at WWTP office of Lamphun Municipality. Visit central wastewater treatment plant of Lamphun city.</p> <p>The capacity of WWTP Plant is about 10,000 m³/day. This SBR activated sludge plant was designed split chamber to distribute influent to four tanks (two Continuous Aeration Tanks (CAT) and two Sequenced Aeration Tanks (SAT) with capacity of 2,500 m³/day each) The equipment of WWTP are as follows :</p> <ul style="list-style-type: none">- Grit removal- Fine screen- CCT (Cyclic Clarification Tube) Decanter- UV Disinfection- Belt press- Air blower and fine bubble diffusers- Control Panel and PLC system
17:30	Return to Greenlake resort and hotel.
