

Waste-to-Energy Monitor

22 / 2011



1	Projects	2
2	Plants	6
3	Company News	7
4	Policy & Others	8
	General Information	9

1 Projects

Canada / Ontario: Martin to supply WTE Durham

Munich-based plant engineering company Martin GmbH für Umwelt- und Energietechnik was awarded a contract to deliver two combustion systems for the waste-to-energy plant in Durham, Ontario. Each unit will process 218 tons per day and will have a gross heat release of 29.3 MW. The firm's contracting partner Covanta received the final building permit for the 140,000-tons facility in August 2011. According to Martin, the project is worth USD 250 million and the plant is expected to be up and running in 2014.

10.10.2011, www.martingmbh.de

China / Contract signed for Likeng's second WTE plant

The municipal administration and Guangdong Environment Engineering Equipment Corporation / Biomax Environment Holdings Limited signed the contract for the second waste incineration plant in Likeng, Guangdong province. The plant will be constructed in the form of BOT for 22 years and the investment sum amounts to RMB 300 million. Its capacity will be 1,000 tons per day. The facility is expected to be completed in 2014. However, the local residents are against the project because Likeng already has a waste incineration plant whose second phase will go operational soon.

19.10.2011, www.cn-hw.net

China / Lianjiang WTE plant to go on line in March 2012

The Lianjiang waste incineration plant, Fujian province, will go on line in March 2012. Investor Fuzhou Tianying Green Energy Co., Ltd. finances the project, whose investment sum amounts to RMB 200 million. The capacity will be 500 tons per day and could be expanded to 1,000 tons per day in the future. The plant will generate 50,000 MWh of electricity per year.

17.10.2011, www.xnyfd.com

China / New WTE project planned in Chuzhou

A new waste-to-energy project is currently being planned in Chuzhou, Anhui province. Anhui Province Wenergy Company Limited will invest RMB 300 million in the project. The plant will be constructed in two phases and its total capacity will be 1,000 tons per day. Construction works will start in 2012.

16.10.2011, www.cn-hw.net

China / Jiujiang WTE plant started operation

The Jiujiang waste incineration plant in the city of Chengdu, Sichuan province, went on line. The facility is equipped with three boilers, each one with a capacity of 25 tons per hour. The capacity amounts to 2,000 tons per day and the plant is able to generate 747 MWh of electricity daily. It will also receive subsidisation from the municipality, which amounts to RMB 50 per ton.

14.10.2011, www.solidwaste.com.cn

China / Dongguan WTE plant to be modernised

The Dongguan waste incineration plant, Guangdong province, will be modernised. Three fluid-bed boilers will be replaced by three grate furnace boilers. Two of the new boilers have a capacity of 500 tons per day; the third one has a capacity of 600 tons daily. The investment sum amounts to RMB 592 million and construction works are expected to last 18 months.

13.10.2011, www.cn-hw.net

China / Nanhai WTE plant started test run

The Nanhai waste incineration plant, which is the second facility in Foshan city, Guangdong province, started test run. Lvhai Green Power Renewable Energy Co., Ltd. erected the plant that consists of three lines, each one with a capacity of 500 tons per day, and two 15 MW generator sets.

13.10.2011, www.solidwaste.com.cn

Costa Rica / Funding agreement for gasification plant in Alajuela

Capital Corp Merchant Banking provides USD 140 million funding for a USD 400 million gasification project in Alajuela. The facility will have a total capacity of 45 MW. At first, a 15 MW plant will be constructed. Two further facilities with 15 MW each will follow. In the end, 520,000 tons of MSW will be incinerated. Low temperature gasification technology will be delivered by Entech Renewable Energy Solutions. Costa Rica wants to become the world's first carbon neutral country by 2021.

20.10.2011, www.waste-management-world.com

India / WTE plant Okhla expected to start operation soon

According to schedule, the new waste-to-energy plant in Okhla, a suburb of New Delhi, is expected to start generating power in October. The incinerator is expected to dispose of 2,000 tons of the 8,000 tons of waste that are being produced in Delhi every day and will generate 16 MW of electricity. Municipal Corporation of Delhi (MCD) owns and operates the plant.

11.10.2011, www.waste-management-world.com

Netherlands / Roosendaal: new WTE plant on line

ReEnergy, a subsidiary of Sita Nederland, commissioned its new waste incineration plant in Roosendaal. The so-called Baviro facility has two lines with an annual capacity of 291,000 tons each and is able to generate each year 256,000 MWh of power for the grid. It supplies heat to greenhouses and will supply district heat to the new district of Stadsoevers that is currently under construction. The plant will replace an old WTE facility. Its investment sum amounts to EUR 200 million.

25.10.2011, Euwid

UK / Covanta scraps plans for plant in Merthyr Tydfil

Covanta decided not to pursue its plans for a 750,000 tons-a-year incinerator in Merthyr Tydfil, Wales. The GBP 400 million plant would have generated 70 MW of electricity. Covanta says it scrapped the plans because local authorities do not allow to burn the residual waste of South East Wales in one facility. This would make its current proposal unviable. The plant was one of three solutions which had been shortlisted by Prosiect Gwyrdd, a consortium of five councils in South Wales, to treat its residual waste. Covanta also confirmed that it would now be withdrawing from this process. This means that just Veolia and Viridor are left in the running for the deal, which is worth in the region of GBP 1 billion. The preferred bidder will be identified in autumn 2012.

25.10.2011, www.letsrecycle.com

UK / IPC supports WTE project in Amphill

Covanta secured backing by the independent Infrastructure Planning Commission (IPC) for its project in Amphill. The facility is planned to treat 585,000 tons of residual, household, commercial and industrial waste a year, generating 65 MW of power. Start of operation is expected for 2014. 2 million tons of residual, household, commercial and industrial waste are annually generated in the area the plant is sourcing its feedstock from. The IPC was established to fast-track the planning process for major infrastructure projects. The Amphill incinerator is the first project the institution backed.

17.10.2011, www.letsrecycle.com

2 Plants

Germany / Transnational waste contract in Saarland

Entsorgungsverband Saar (EVS), the waste management company in the federal state of Saarland, signed a contract with French Sydeme, which is the waste management company of Lorraine. Sydeme will deliver 70,000 tons of residual waste to the WTE facility in Neunkirchen. E.ON EfW operates the plant that has a capacity of 188,000 tons per year. EVS will deliver 15,000 tons of organic waste to Sydeme's AD facility in Forbach. Since the beginning of the year, EVS's amount of residual waste has decreased by 50,000 tons. The company has a delivery contract for the incinerator in Neunkirchen until 2016.

25.10.2011, www.saarbruecker-zeitung.de

Germany / WTE plant in Bonn to be renovated

Within the next years, the public utility of Bonn, North Rhine-Westphalia, has to renovate its waste incineration plant in the city. The refurbishment will include the renewal of the concrete on the floor and on the walls as it exhibits traces of usage by now. Since 1991, the plant has been running permanently. To assure continuous operation during the refurbishment it will be necessary to extend the storage volume of the existing building. The investment sum for the building extension amounts to EUR 13,5 million and does not include the costs for the actual refurbishment.

25.10.2011, www.recyclingmagazin.de

Germany / Ludwigshafen: explosion in WTE plant

An explosion occurred in the waste incineration plant in Ludwigshafen, Rhineland-Palatinate. One employee was slightly injured and ten delivery gates were damaged. On the day after, however, the plant again was running in normal operation. The cause has not been clarified yet.

25.10.2011, Euwid

3 Company News

Germany / Avea: revenues decreases again

Municipal waste disposal company Avea reports further decreasing revenues. Turnover fell from EUR 79.12 million in 2009 to EUR 75.39 million (2008: EUR 81.05 million). At the same time the annual profit amounted to EUR 4.78 million (2009: 5.6 million, 2008: 6.03 million). Avea is owned jointly by the city of Leverkusen, North Rhine-Westphalia and the regional waste management association Bergischer Abfallwirtschaftsverband. In 2010, the WTE plant in Leverkusen burned 213,000 tons of waste (2009: 224,000 tons). The incinerator is owned by the 100 per cent Avea subsidiary Avea MHKW Leverkusen GmbH & Co. KG.

24.10.2011, www.avea.info

Germany / GML reports 2010 figures

GML Abfallwirtschaftsgesellschaft mbH, operator of WTE plant in Ludwigshafen, Rhineland-Palatinate, published its 2010 business figures. Due to the fire in a waste bunker in October 2010, the plant had a throughput of only 151,159 tons (2009: 203,150 tons). 62,674 tons of the delivered municipal waste volume had to be redirected to other incinerators. Thanks to insurance benefits, company turnover amounted to EUR 31.7 million compared to EUR 26.7 million in the previous year. While profits from ordinary activities remained stable at EUR 128,000 (2009: EUR 130,000), the profit after tax reached EUR 69,000 (2009: EUR 98,000).

17.10.2011, www.recyclingmagazin.de

Germany / EGK again increases profit

EGK Entsorgungsgesellschaft Krefeld GmbH & Co. KG, which operates the WTE plant in Krefeld in North Rhine-Westphalia, announced its 2010 annual results. The increase of turnover by EUR 2.4 million to EUR 81.3 million was mainly caused by revenues from waste incineration (EUR 48.7 million compared to EUR 46.6 million in 2009). This in turn was due to higher prices for accepting municipal waste. EGK's annual surplus profit rose by 60 per cent to EUR 11 million. The throughput volume of waste decreased by 2,000 to 354,000 tons. EGK is majority-owned (51 per cent) by the Krefeld municipal utilities Stadtwerke Krefeld AG.

06.10.2011, www.ebundesanzeiger.de

4 Policy & Others

Canada / CWRE trade fair in Montreal

The 14th trade fair "Canadian Waste & Recycling Expo" (CWRE) will take place in Montreal on 9 and 10 November. The event will focus in waste disposal, recycling, waste water technology and hazardous waste. On 7 November, there will be a "Canadian Waste Sector Symposium" offering plant visits. For more information visit www.cwre.ca

26.10.2011, www.cwre.ca

China / WTE conference in Shanghai

The third "China Waste to Energy Outlook" will be held from 7 to 9 December in Shanghai. Main topics are the latest developments in technology and management, as well as powering up a low-carbon economy. For further information and registration contact Noiahlee Li, Tel.: +86 21 5118 1361, E-Mail: noiahlee@cbichina.com or visit <http://events.cbichina.com>

25.10.2011, events.cbichina.com

Germany / Conference on waste incineration in Berlin

The association of municipal companies Verband kommunaler Unternehmen e.V. will hold a conference on the future importance of waste incineration. The conference will take place in the Crowne Plaza Berlin City Centre in Berlin on 29 November. The legal framework of waste incineration will be the main topic. The conference is aimed at, among others, technical and business executives from incinerators, MBAs, engineering firms and scientists. For further information visit: www.obladen.de

23.10.2011, www.umweltruf.de

UK / Scotland adopts Zero Waste Plan

Scotland adopted a Zero Waste Plan. By 2013, it will be forbidden to send materials collected for recycling to landfills or incineration plants. By 2015, dense plastics and metals from residual waste will have to be removed before incineration. Sending biodegradable waste to landfills will be prohibited by 2020. Moreover, it is planned to introduce food waste collections until 2015.

14.10.2011, www.letsrecycle.com

General Information

The *Waste-to-Energy Monitor* is compiled and issued by ecoprolog GmbH. If you should have any queries, suggestions or proposals, please feel free to contact us at any time.

Responsible for the monitor:



ecoprolog GmbH
Krefelder Straße 18
DE-50670 Cologne / Germany

Mark Döing (Chief executive officer)

Jana Stienen (Editorial Manager)

Tel.: +49 (221) 788 03 88 12

Fax: +49 (221) 788 03 88 10

Email: wte-monitor@ecoprolog.com

Homepage: www.ecoprolog.de

All figures, information and statements have been thoroughly researched, but we accept no liability for their correctness. Solely the statements in the complete articles of the given sources are valid.

The WTE Monitor of ecoprolog GmbH may only be replicated and passed on to third parties with the prior agreement of ecoprolog.

Issued on 28.10.2011

The intended date of release for the next WTE Monitor is 11.11.2011