



Initial Environmental Examination

Summary Initial Environmental Examination
Project Number: 40682-013
September 2014

People's Republic of China: Integrated Renewable Biomass Energy Development Project – Shandong Province

Prepared by: Environmental Protection Office of Bin Cheng
For: Technology-Introduction Office of Shandong Provincial Department of Agriculture

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泰裕非核心子项目环评报告摘要

Summary of Non-core subproject IEE

1.项目名称 (Name of project): Binzhou TaiYu Wheat industry Co., LTD Biogas Project
2.项目位置 (Location of project): The bio-gas projects in Binzhou industrial Park located between Wutong fifth and sixth Road and west of Fenghuang fourth Road
3.鉴定单位 (Evaluation unit): School of Environmental Protection, Shandong Province
4.项目投资规模 (Project investment, US\$) 汇率 (exchange rate): 1 US\$ = 6.1 CNY 总投资 (Total investment cost, US\$): 2.86 million
亚行贷款 (ADB loan amount, US\$): 1.50 million 配套资金 (Counterpart fund, US\$): 1.36million
5.建设内容 (Construction content): (1) location, type and scale of farm, and the amount of waste(位置, 农场类型和规模和废物的数量) Location: The bio-gas projects in Binzhou industrial Park located between Wutong fifth and sixth Road and west of Fenghuang fourth Road Type and scale of the farm: Cows, cattle, sheep breeding farm with 12,000 m ² Amount of waste: After the completion of the project, it can dispose 70-ton fecal sewage in a pig farm, and also produce methane 365,000 m ³ , biogas slurry 24,000 t and biogas residue 720 t annually. (2) type of biogas plant, equipment used, (沼气厂和使用设备的类型) Type of biogas plant: The 1000m ³ USR anaerobic reactor 1,500 m ³ of gas storage cabinets 1,600 m ³ of gas storage cabinets 6 and related dehydration, 30,000 m ³ of biogas slurry storage tank1. Type of the equipment: Annual generation of 730,000 kWh of biogas power generation equipment sets. (3) amount of biogas generated, uses of biogas, uses of slurry and sludge (沼气产量, 沼气的使用, 沼渣沼液的使用) Annual production capacity of 365000 m ³ of methane, used entirely for the generation of 730,000 kWh, the annual output of biogas fertilizer 66 tons, annual output of 24,000 tons of biogas (4) construction and operational period (建设期和运作期) The project construction period is one year and the project will run for 20 years.
6. Major environmental impacts (主要环境影响) In the process of construction and operation of this project, it is required to strictly implement the "three simultaneity" regulation and put the suggestions proposed from report into practice. The main construction contents are the

comprehensive disposal and utilization project of pig manure and waste water as well as the project of cultivating organic fertilizer--- aerobic composting. The waste water disposed as mentioned above can be used to irrigate the fields, and sanitary wastewater disposed by use of septic-tank can be used as raw materials for the production of organic fertilizer, all kinds of waste water will not be discharged into the outside. The waste gas produced in the project is the malodorous gas produced in the waste yard as well as in the process of systematic disposal of the waste. Thus many effective measures have been taken to eliminate or reduce the generation of the malodorous gas. Solid waste is mainly composed of household garbage and biogas residue produced in the disposal system. The solid waste can be cleaned uniformly by the sanitation departments, and the biogas residue can be used as the raw materials for the production of organic fertilizer. As for the noise, caused by the operation of the equipment, it can be reduced by use of sealing set of the equipment as well as the application of whistle ban of vehicles in order not to influence the surroundings.

7. Environmental management plan and staff to implement the plan (环境管理计划和执行人员分工)

The project has developed a complete EMP, detailed planning of environmental mitigation measures, environmental management, environmental supervision, environmental monitoring and other aspects.

The EIA administration agencies are as follows:

Environmental Protection Office of Shandong Province: In accordance with the requirements of relevant domestic laws and regulations, is responsible for project supervision of the whole process;

Binzhou Municipal Environmental Protection Bureau: In accordance with the requirements of the Office of Environmental Protection, Shandong Province, the project supervision of the whole process;

Bincheng Environmental Monitoring and Supervision Agency: help build a party responsible for to supervise the implementation of environmental protection measures on the construction site, while assist the project to develop the environmental management guidelines for routine environmental monitoring during operation of the biogas plant;

Environmental staff: Besides the monitoring and supervision from the governmental agencies, 2 technicians from the Binzhou TaiYu Wheat industry Co., LTD will be engaged for implementation of the environmental management plan to monitor and mitigate the impacts of the environmental pollutions during the periods of project construction and operation.

8. IEE approval date and agency (attach a photocopy of the approval letter) 初步环评批复日期和机构名称 (附上批复信的复印件)

IEE approval date: Sep. 30, 2014

Agency: Environmental Protection Office of Bin Cheng

注：建设期：指项目启动到完工；运行期：指项目建设结束投入实际运行至还款结束的期间；
执行人员指：负责环境管理与监测的人员

环境保护行政主管部门审批意见:

滨城环表【2014】66号

经现场勘察和研究,对滨州泰裕麦业有限公司建设沼气工程项目环境影响报告表批复如下:

一、滨州泰裕麦业有限公司投资1745.07万元,在滨州工业园区梧桐五路、六路之间,凤凰四路以西建设沼气工程项目。项目建成后,可日处理养猪场粪便污水70t,实现年产沼气36.5万m³、沼液2.4万t和沼渣720t。根据环境影响评价报告表的结论,在符合当地城镇总体规划、严格落实各项环保措施和满足环保部门要求的前提下,同意项目建设。

二、该项目在建设和营运过程中,必须严格执行“三同时”制度,落实报告表中提出的环境保护意见。项目主要建设内容为猪粪和废水综合无害化处理利用工程和有机肥好氧堆肥工程。经上述处理后的废水可用作农田灌溉,生活废水经化粪池处理后可作为有机肥生产原料,所有废水均不外排。项目所产生的废气主要为粪便堆场及处理系统产生的恶臭气体,采取各种有效措施来消除或减少恶臭气体的产生。固体废弃物主要为生活垃圾和处理系统产生的沼渣,生活垃圾由环卫部门统一进行清运,沼渣可作为有机肥生产原料。噪声主要为设备产生的噪声,要采取设备密闭设置,车辆禁止鸣笛等措施,确保噪声不对外界造成影响。

三、该项目执行的污染物排放标准分别为:

废气执行《大气污染物综合排放标准》(GB16297-1996)表2中无组织排放监控浓度限值要求,恶臭污染物执行《山东省畜禽养殖业污染物排放标准》(DB37/534-2005)表6中的标准限值要求;废水执行《山东省畜禽养殖业污染物排放标准》(DB37/534-2005)及《农田灌溉水质标准》(GB5084-2005)要求;噪声执行《工业企业厂界环境噪声排放标准》(GB12348-2008)中II类标准,施工期执行《建筑施工场界环境噪声排放标准》(GB12523-2011)。一般固废执行《一般工业固体废物贮存、处置场污染控制标准》(GB18599-2001)。

四、未经滨城区政府和有关部门批准,不得擅自建设锅炉。

五、项目建成后,须向我局递交建设项目环境保护试运行申请,批复后方可投入试运行,试运行三个月内,须向我局申请验收,验收合格后方可投入正式运营。

经办人:

王侑玲



2014年9月30日