Summary Initial Environmental Examination
Project Number: 40682
June 2012


Prepared by: Jiangxi Provincial Environmental Protection Bureau
For: Jiangxi Provincial Department of Agriculture

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Asian Development Bank
**Summary of Non-core subproject IEE**

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1. 项目名称（Name of project）:</td>
<td>Anyi Livestock Breeding Farm (Anyi County)</td>
</tr>
<tr>
<td>2. 项目位置（Location of project）:</td>
<td>Dongyang town, Anyi County</td>
</tr>
<tr>
<td>3. 鉴定单位（Evaluation unit）:</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模（Project investment, US$）</td>
<td></td>
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<tr>
<td>汇率（1: 6.9）</td>
<td></td>
</tr>
<tr>
<td>总投资（Total investment cost, US$）:</td>
<td>1,013,043 (699万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>550,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>463,043</td>
</tr>
<tr>
<td>5. 建设内容（Construction content）:</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)</td>
<td>Dongyang town, Anyi County/ pig farm/ annually produce 16,000 pigs/ produce 5566 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc.</td>
<td>(沼</td>
</tr>
</tbody>
</table>
(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 122,700 M³ / biogas annually generate electricity 0 Kwh / slurry and sludy annually produce organic fertilizer 5566 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers
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）

11th, November, 2008/ Jiangxi Province Environment Protection Bureau

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
<table>
<thead>
<tr>
<th>1. 项目名称（Name of project）: Breeding Farm of Huili Food Co., Ltd (Ruijin City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置（Location of project）: huangbo town, ruijin City</td>
</tr>
<tr>
<td>3. 鉴定单位（Evaluation unit）: Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模（Project investment, US$）</td>
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<tr>
<td>汇率（1: 6.9）</td>
</tr>
<tr>
<td>总投资（Total investment cost, US$）: 726, 086 (501万元)</td>
</tr>
<tr>
<td>亚行贷款（ADB loan amount, US$）: ,400,000</td>
</tr>
<tr>
<td>配套资金（Counterpart fund, US$）: 326,086</td>
</tr>
<tr>
<td>5. 建设内容（Construction content）:</td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）</td>
</tr>
<tr>
<td>huangbo town, ruijin City/ pig farm/ annually produce 9000 pigs/ produce 7500 M3 livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc. (沼</td>
</tr>
</tbody>
</table>
气厂和使用设备的类型等等）

Gas supply/ 600 M³ biogas digesters, 200 M³ Methane Storage, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 260,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludy annually produce organic fertilizer 7500 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

<table>
<thead>
<tr>
<th>6. Major environmental impacts（主要环境影响）</th>
</tr>
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<tbody>
<tr>
<td>1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.</td>
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<td>2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.</td>
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<tr>
<td>3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Environmental management plan and staff to implement the plan（环境管理计划和执行人员分工）</th>
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</thead>
<tbody>
<tr>
<td>1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.</td>
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<tr>
<td>2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.</td>
</tr>
<tr>
<td>3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.</td>
</tr>
<tr>
<td>4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers</td>
</tr>
</tbody>
</table>
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）

21th, November, 2008/ Jiangxi Province Environment Protection Bureau

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
<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Jixing Breeding Pig Co.,Ltd (Wannian County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>zibu town, Wannian County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Wan Nian county environmental protection agency</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td>汇率 (1: 6.9)</td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>1,060,869 (732 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>600,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>460,869</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）</td>
</tr>
<tr>
<td></td>
<td>zibu town, Wannian County/ pig farm/ annually produce 30,000 pigs/ produce 9125 M3 livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td></td>
<td>(2) type of biogas plant, equipment used, etc. （沼...</td>
</tr>
</tbody>
</table>
Gas supply: 1800 M³ biogas digesters, 300 M³ Methane Storage, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

(沼气产量, 沼气的使用, 沼渣沼液的使用、生态农业等等)

annually produce biogas 110,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludge annually produce organic fertilizer 9125 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one year / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers
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 21th, November, 2008/ Jiangxi Province Environment Protection Bureau

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：负责环境管理与监测的人员
<table>
<thead>
<tr>
<th>1. 项目名称（Name of project）:</th>
<th>Lianbang Livestock Industry Co., Ltd (Guixi City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置（Location of project）:</td>
<td>Hongtang town, Guixi City</td>
</tr>
<tr>
<td>3. 鉴定单位（Evaluation unit）:</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模（Project investment, US$）</td>
<td>亚行贷款（ADB loan amount, US$): 300,000</td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td>配套资金（Counterpart fund, US$): 224,637</td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$): 524,637 (362 万元)</td>
<td></td>
</tr>
<tr>
<td>5. 建设内容（Construction content）:</td>
<td>(2) type of biogas plant, equipment used, etc. (沼</td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)</td>
<td>农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方</td>
</tr>
<tr>
<td>hongtang town, Guixi City/ pig farm/ annually produce 20000 pigs/ produce 5173 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
<td>(沼</td>
</tr>
</tbody>
</table>
Generate electricity/ 400 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 124,200 M³ / biogas annually generate electricity 208,700Kwh / slurry and sludge annually produce organic fertilizer 5173 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. 
   / two technical employers; four environmental monitor workers

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） 21th, November, 2008/ jiangxi Province Environment Protection Bureau

注: 建设期: 指项目启动到完工
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      执行人员指: 负责环境管理与监测的人员
# Summary of Non-core Subproject IEE

## 1. Project Name (Name of Project):

Lulin Crop & Livestock Co., Ltd (Dexin City)

## 2. Project Location (Location of Project):

Yingcheng Town, Dexin City

## 3. Evaluation Unit (Evaluation Unit):

Jiangxi Province Environmental Protection Bureau

## 4. Project Investment Scale (Project Investment, US$)

<table>
<thead>
<tr>
<th>Total Investment Cost, US$</th>
<th>Amount (万元)</th>
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<tbody>
<tr>
<td>849,971</td>
<td>586.48</td>
</tr>
</tbody>
</table>

| ADB Loan Amount, US$     | 500,000       |
| Counterpart Fund, US$    | 349,971       |

## 5. Construction Content (Construction Content):

1. Location, type and scale of farm, and the amount of waste, etc. (Indicate if the project location is in a protected area, or near water resources)

- Yutian Town, Suichuan County/ Pig farm/ annually produce 13,300 pigs/ produce 16,096 M³ livestock waste/ the construction site is not in the protected area or not near water resources

2. Type of biogas plant, equipment used, etc. (沼气设备、使用设备等)
气厂和使用设备的类型等等）

Generate electricity/ two 400 M³ biogas digesters, 340 M³ Methane Storage, install 100 Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 275,900 M³ / biogas annually generate electricity 496,700 Kwh / slurry and sludy annually produce organic fertilizer16096 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. 
/two technical employers; four environmental monitor workers

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）18th, September, 2008/ jiangxi Province

Environment Protection Bureau

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
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): Suichang Poultry Science & Tech. Co., Ltd (Guixi City)

2. 项目位置 (Location of project): Guixi City

3. 鉴定单位 (Evaluation unit): Jiangxi province environmental protection bureau

4. 项目投资规模 (Project investment, US$)
   汇率 (1: 6.9)
   总投资 (Total investment cost, US$): 679,710 (469 万元)
   亚行贷款 (ADB loan amount, US$): 400,000
   配套资金 (Counterpart fund, US$): 279,710

5. 建设内容 (Construction content):
   (1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)
   农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）
   Guixi City/ pig farm/ annually produce 7000 pigs/ produce 4790 M³ livestock waste /the construction site is not in the protected area or not near water resources

   (2) type of biogas plant, equipment used, etc. (沼气厂和使用设备的类型等等)
Generate electricity/ 400 M³ biogas digesters, 100 M³ Methane Storage, install 50 Kw generator, 1.5 Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 115,000 M³ / biogas annually generate electricity 193,200 Kwh / slurry and sludge annually produce organic fertilizer 4790 tons/ set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

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2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers
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）21th, November, 2008/ Jiangxi Province Environment Protection Bureau

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
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<tbody>
<tr>
<td><strong>1. 项目名称 (Name of project):</strong></td>
<td>Taqiao Horticulture Farm (Guixi City)</td>
</tr>
<tr>
<td><strong>2. 项目位置 (Location of project):</strong></td>
<td>Guixi City</td>
</tr>
<tr>
<td><strong>3. 鉴定单位 (Evaluation unit):</strong></td>
<td>Guixi city environmental protection agency</td>
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<td><strong>4. 项目投资规模 (Project investment, US$) 汇率 (1:6.9)</strong></td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>526,086 (363 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>300,000</td>
</tr>
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<td>配套资金 (Counterpart fund, US$):</td>
<td>226,086</td>
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<td><strong>5. 建设内容 (Construction content):</strong></td>
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<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方)</td>
<td>Guixi City/ pig farm/ annually produce 4800 pigs/ produce 5740 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc. (沼气厂和使用设备的类型等等)</td>
<td></td>
</tr>
</tbody>
</table>
Generate electricity / 400 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 127,700 M³ / biogas annually generate electricity 216,400Kwh / slurry and sludge annually produce organic fertilizer 5740 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH₃-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report.

/ two technical employers; four environmental monitor workers
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） 21th, November, 2008/ jiangxi Province

Environment Protection Bureau

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
### Summary of Non-core Subproject IEE

1. **Name of project**: Xinglong Livestock Industry Development Co., Ltd (Suichuan County)

2. **Location of project**: Bizhou Town, Suichuan County

3. **Evaluation unit**: Jining City Environmental Protection Agency

4. **Project investment, US$**: Total investment cost, US$: 1,169,656 (807 million yuan)
   - ADB loan amount, US$: 700,000
   - Counterpart fund, US$: 469,656

5. **Construction content**:
   1. Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in a protected area, or near water resources)
      - Bizhou Town, Suichuan County/ cattle farm/ annually produce 1,170 cattle/ produce 36,500 m³ livestock waste /the construction site is not in the protected area or not near water resources

   2. Type of biogas plant, equipment used, etc.
Gas supply: 1500 M³ biogas digesters, 200 M³ Methane Storage, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

annually produce biogas 162,000 M³, biogas annually generate electricity 0 Kwh, slurry and sludge annually produce organic fertilizer 36500 tons, set up the organic vegetable base.

(4) construction and operational period (建设期和运作期) one years / twenty-five years.

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report.
/ two technical employers; four environmental monitor workers

| 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）21th, November, 2008/ jiangxi Province Environment Protection Bureau |

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
## Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. Project Name (Name of project):</th>
<th>Decheng Livestock Industry Co., Ltd (Yujiang County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Project Location (Location of project):</td>
<td>Zhongtong Town, Yujiang County</td>
</tr>
<tr>
<td>3. Evaluation Unit (Evaluation unit):</td>
<td>Yujiang County Environmental Protection Bureau</td>
</tr>
<tr>
<td>4. Project Investment (Project investment, US$):</td>
<td>839,900 (579,530,000 Yuan)</td>
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<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Construction Content (Construction content):</td>
<td>(1) Location, type and scale of farm, and the amount of waste, etc. (Indicate if the project location is in a protected area or near water resources) Zhongtong Town, Yujiang County/ Pig farm/ Annually produce 10,800 pigs/ Produce 57,455 M³ livestock waste/ The construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Generate electricity/3500 M³ biogas digesters, 100 M³ Methane Storage, install 80Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

Annually produce biogas 144,200 M³ / biogas annually generate electricity 208,700 Kwh / slurry and sludge annually produce organic fertilizer 5745 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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）21th, November, 2008/ jiangxi Province Environment Protection Bureau

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
<table>
<thead>
<tr>
<th>1. 项目名称（Name of project）: Huafu Livestock Co.,Ltd gaoqiao base (Jinggangshan City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置（Location of project）: gaoqiao lou town, yongxin county</td>
</tr>
<tr>
<td>3. 鉴定单位（Evaluation unit）: ji'an environmental protection bureau</td>
</tr>
</tbody>
</table>
| 4. 项目投资规模（Project investment, US$）
  汇率 (1: 6.9)
  总投资（Total investment cost, US$）: 944,666 (651.82 万元)
  亚行贷款（ADB loan amount, US$): 1,000,000
  配套资金（Counterpart fund, US$): -55,334 |
| 5. 建设内容（Construction content）:
  (1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）
  gaoqiao lou town, yongxin county / pig farm/ annually produce 30000 pigs/ produce 29930 M³ livestock waste /the construction site is not in the protected area or not near water resources |
(2) type of biogas plant, equipment used, etc. (沼气厂和使用设备的类型等等)
Generate electricity/ 1800M³ biogas digesters, 700 M³ Methane Storage, install 100Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc (沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)
annually produce biogas 602,250 M³ / biogas annually generate electricity 963,600 Kwh / slurry and sludge annually produce organic fertilizer 29930 tons/ set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years/ twenty-five years

6. Major environmental impacts (主要环境影响)
1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

7. Environmental management plan and staff to implement the plan (环境管理计划和执行人员分工)
1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
   / two technical employers; four environmental monitor workers

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） 24th, July, 2012/ Ji’an environmental protection bureau

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
## Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. Project name (Name of project):</th>
<th>Huafu Livestock Co., Ltd (Jinggangshan City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Project location (Location of project):</td>
<td>nashan town, Jinggangshan City</td>
</tr>
<tr>
<td>3. Evaluation unit (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. Project investment (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>Total investment cost (US$):</td>
<td>716,300 (494.27万元)</td>
</tr>
<tr>
<td>ADB loan amount (US$):</td>
<td>400,000</td>
</tr>
<tr>
<td>Counterpart fund (US$):</td>
<td>216,300</td>
</tr>
<tr>
<td>5. Construction content (Construction content):</td>
<td></td>
</tr>
<tr>
<td>Location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources):</td>
<td>nashan town, Jinggangshan City/ pig farm/ annually produce 16,500 pigs/ produce 11315 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
</tbody>
</table>
(2) **type of biogas plant, equipment used, etc.** (沼气厂和使用设备的类型等等)

Generate electricity/ 800M³ biogas digesters, 300 M³ Methane Storage, install 90Kw generator, 1.5 Kw biogas boiler, **dehydrogenation equipment**, sweetener, pulverizer, dryer, blower, pump etc

(3) **amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc**

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas219, 000 M³ / biogas annually generate electricity ,350, 000Kwh / slurry and sludy annually produce organic fertilizer 11315 tons/ set up the organic vegetable base

(4) **construction and operational period** （建设期和运作期） one years / twenty-five years

6. **Major environmental impacts** (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report
the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
/ two technical employers; four environmental monitor workers

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） 18th, September, 2008/ Jiangxi province

environmental protection bureau

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
## Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. Project Name (Name of project):</th>
<th>Huahai Agro &amp; Livestock Co., Ltd (Jian City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Project Location (Location of project):</td>
<td>futian town, QingYuan district, Jia an city</td>
</tr>
<tr>
<td>3. Evaluation Unit (Evaluation unit):</td>
<td>Ji an city, QingYuan district environmental protection bureau</td>
</tr>
<tr>
<td>4. Project Investment (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td><strong>Total Investment Cost, US$</strong>:</td>
<td>691,304 (477 万元)</td>
</tr>
<tr>
<td><strong>ADB Loan Amount, US$</strong>:</td>
<td>400,000</td>
</tr>
<tr>
<td><strong>Counterpart Fund, US$</strong>:</td>
<td>291,304</td>
</tr>
<tr>
<td>5. Construction Content (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)</td>
<td>futian town, QingYuan district, Jia an city/ pig farm/ annually produce 10,000 pigs/ produce 5745 M³ livestock waste / the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) Type of biogas plant, equipment used, etc.</td>
<td>(沼</td>
</tr>
</tbody>
</table>
气厂和使用设备的类型等等）

Generate electricity/ 400M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 487,100 M³ / biogas annually generate electricity 788,400Kwh / slurry and sludgy annually produce organic fertilizer 5745 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH₃-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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）12th, November, 2008/ Jian city, QingYuan district

environmental protection bureau

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
1. 项目名称 (Name of project): Likang Livestock Slaughtering Co., Ltd (Guixi City)

2. 项目位置 (Location of project): Zoufang town, Guixi City

3. 鉴定单位 (Evaluation unit): Jiangxi province environmental protection bureau

4. 项目投资规模 (Project investment, US$)

| 总投资 (Total investment cost, US$) | 524,637 (362 万元) |
| 亚行贷款 (ADB loan amount, US$) | 300,000 |
| 配套资金 (Counterpart fund, US$) | 224,637 |

5. 建设内容 (Construction content):

(1) 位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）

Zoufang town, Guixi City / pig farm / annually produce 11,000 pigs / produce 5365 M³ livestock waste / the construction site is not in the protected area or not near water resources

(2) 沼气种类、设备使用等，etc.
### 6. Major environmental impacts

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

### 7. Environmental management plan and staff to implement the plan

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. 
   / two technical employers; four environmental monitor workers

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）
   21th, November, 2008/ Jiangxi Province Environment Protection Bureau

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
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Lvyuan Pig Development Co., Ltd (Chongren County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>xufang town, Chongren County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>51.3 (354万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>300,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>213,000</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc.</td>
<td>(indicate if the project location is in protected area, or near water resources)</td>
</tr>
<tr>
<td>xufang town, Chongren County/ pig farm/ annually produce 8280 pigs/ produce 10950 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
<td></td>
</tr>
</tbody>
</table>
| (2) type of biogas plant, equipment used, etc. | (沼
Generate electricity/ 500 M³ biogas digesters, 60M³ Methane Storage, install 45 Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

annually produce biogas 173,380 M³ / biogas annually generate electricity 260, 600 Kwh / slurry and study annually produce organic fertilizer 10950 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

| 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） | 21th, November, 2008/ jiangxi Province Environment Protection Bureau |

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
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称（Name of project）: Taihua Livestock Industry Company (Pingxiang City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置（Location of project）: paishang town ,Pingxiang City</td>
</tr>
<tr>
<td>3. 鉴定单位（Evaluation unit）: Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模（Project investment, US$）</td>
</tr>
<tr>
<td>汇率（1: 6.9）</td>
</tr>
<tr>
<td>总投资（Total investment cost, US$）: 688,400</td>
</tr>
<tr>
<td>亚行贷款（ADB loan amount, US$）: 400,000</td>
</tr>
<tr>
<td>配套资金（Counterpart fund, US$）: 288,400</td>
</tr>
<tr>
<td>5. 建设内容（Construction content）:</td>
</tr>
<tr>
<td>(1) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）</td>
</tr>
<tr>
<td>paishang town ,Pingxiang City/ pig farm/ annually produce 8230 pigs/ produce 13413 M³ livestock waste/ the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) 沼气厂和使用设备的类型等等</td>
</tr>
</tbody>
</table>
Gas supply/ 800 M³ biogas digesters, 300 M³ Methane Storage, install 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量, 沼气的使用, 沼渣沼液的使用、生态农业等等)

annually produce biogas 251, 400 M³ / biogas annually generate electricity 0 Kwh / slurry and sludgy annually produce organic fertilizer 13413 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report.

/ two technical employers; four environmental monitor workers

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）11th, November, 2008/ jiangxi Province Environment Protection Bureau

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
<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Weiping Integrated Agro Development Co., Ltd (Chongren County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>Bailu town, Chongren County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td></td>
<td>亚行贷款 (ADB loan amount, US$): 320000</td>
</tr>
<tr>
<td></td>
<td>配套资金 (Counterpart fund, US$): 171300</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）</td>
</tr>
<tr>
<td></td>
<td>Bailu town, Chongren County/ pig farm/ annually produce 12,000 pigs/ produce 10000 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td></td>
<td>(2) type of biogas plant, equipment used, etc. (沼气...)</td>
</tr>
</tbody>
</table>
Gas supply/ 375 M³ biogas digesters, 130 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 177,900 M³ / biogas annually generate electricity 0 Kwh / slurry and sludgy annually produce organic fertilizer10000 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report.
| two technical employers; four environmental monitor workers |

| 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) 21th, November,2008/ jiangxi Province Environment Protection Bureau |

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: 负责环境管理与检测的人员
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Zhongtong Breeding Pig Co., Ltd (Yujujiang County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>Zhongtong town, Yujiang county</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Yujiang county environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>843,650 (582,120 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>250,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>593,650</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)</td>
<td>Zhongtong town, Yujiang county/ pig farm/ annually produce 16,000 pigs/ produce 5,625 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
</tbody>
</table>
| (2) type of biogas plant, equipment used, etc. | (沼...
气厂和使用设备的类型等等）

Generate electricity/ 400 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 127,700 M³ / biogas annually generate electricity 216,800 Kwh / slurry and sludge annually produce organic fertilizer 5625 tons/ set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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）21th, November, 2008/ Jiangxi Province Environment Protection Bureau

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
### Summary of Non-core Subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Damangren Industry Co., Ltd (Guixi County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>Guixi County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi Province Environmental Protection Bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>542,028 (374 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>300,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>242,028</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)</td>
<td>Guixi County / pig farm / annually produce 15,000 pigs / produce 5740 M³ livestock waste / the construction site is not in the protected area or not near water resources</td>
</tr>
</tbody>
</table>
| (2) type of biogas plant, equipment used, etc. | (沼...
气厂和使用设备的类型等等）

Generate electricity/ 400 M³ biogas digesters, 100 M³ Methane Storage, install 80Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower,pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 137, 900 M³ / biogas annually generate electricity 231,700 Kwh / slurry and sludy annually produce organic fertilizer 5740 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report / two technical employers; four environmental monitor workers

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）21th, November, 2008 / jiangxi Province Environment Protection Bureau

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
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Fengyuan Livestock Company ( Rujin City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>YepingTown , Rujin City</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$): 536,231 (370 万元)</td>
<td></td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$): 300,000</td>
<td></td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$): 236,231</td>
<td></td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)</td>
<td></td>
</tr>
<tr>
<td>YepingTown , Rujin City/ pig farm/ annually produce 8,000 pigs/ produce 7500 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
<td></td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc. (沼</td>
<td></td>
</tr>
</tbody>
</table>
气厂和使用设备的类型等等）
Gas supply/ 500 M³ biogas digesters, 200 M³ Methane Storage, install
dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）
annually produce biogas 54,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludy annually produce organic fertilizer 7500 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）
1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

7. Environmental management plan and staff to implement the plan（环境管理计划和执行人员分工）
1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.

/ two technical employers; four environmental monitor workers
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） 28th August, 2008/ Jiangxi Province Environment Protection Bureau

| 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 |
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 （Name of project）:</th>
<th>Fuxin Development &amp; Trade Co., Ltd (Yingtian City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 （Location of project）:</td>
<td>Zhongtong Town, Yujiang County</td>
</tr>
<tr>
<td>3. 鉴定单位 （Evaluation unit）:</td>
<td>Jiangxi Province Environmental Protection Bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 （Project investment, US$）:</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>436,231 (301,000)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>250,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>186,231</td>
</tr>
<tr>
<td>5. 建设内容 （Construction content）:</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)</td>
<td>Zhongtong Town, Yujiang County/ pig farm/ annually produce 26,000 pigs/ produce 5745 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc. (沼...</td>
<td></td>
</tr>
</tbody>
</table>
Generate electricity/ 300 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

annually produce biogas 168,000 M³ / biogas annually generate electricity 197,000 Kwh / slurry and sludgy annually produce organic fertilizer 5745 tons/ set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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） 21th, November,2008/ jiangxi Province Environment Protection Bureau

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
### Summary of Non-core subproject IEE

1. **Name of project:** Guohong Group Co., Ltd (Nanchang county)

2. **Location of project:** Jiangxiang town, Nanchang county

3. **Evaluation unit:** Jiangxi provincial environmental protection bureau

4. **Project investment, US$:**
   - **Total investment cost:** $1,034,782 (714万元)
   - **ADB loan amount:** $550,000
   - **Counterpart fund:** $484,782

5. **Construction content:**
   - **Location, type and scale of farm, and the amount of waste, etc.** (indicate if the project location is in protected area, or near water resources)
     - Jiangxiang town, Nanchang county/ pig farm/ annually produce 37,230 pigs/ produce 29,565 M³ livestock waste/ the construction site is not in the protected area or not near water resources
   - **Type of biogas plant, equipment used, etc.** (沼...
气厂和使用设备的类型等等）
Generate electricity/ 1000 M³ biogas digesters, 200 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.
（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）
annually produce biogas 108,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludgy annually produce organic fertilizer 29565 tons/ set up the organic vegetable base.

(4) construction and operational period（建设期和运作期） one years / twenty-five years.

6. Major environmental impacts（主要环境影响）
1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

7. Environmental management plan and staff to implement the plan（环境管理计划和执行人员分工）
1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
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） 21th, November, 2008/ jiangxi Province Environment Protection Bureau

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
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Jiaxun Integrated Agriculture Development Co., Ltd (Jiujiang County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>gutang town, Jiujiang County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$): 637,681 (440 万元)</td>
<td></td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$): 380,000</td>
<td></td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$): 257,681</td>
<td></td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)</td>
<td>gutang town, Jiujiang County/ pig farm/ annually produce 8,000 pigs/ produce 5745 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
</tbody>
</table>
| (2) type of biogas plant, equipment used, etc. | (沼...
Gas supply/ 360 M³ biogas digesters, 150 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

Annually produce biogas 184,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludge annually produce organic fertilizer 5745 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers
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）

21th, November, 2008/ Jiangxi Province Environment Protection Bureau

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
## Summary of Non-core subproject IEE

1. **Project Name (Name of project):** Jiayu Livestock Industry Development Co., Ltd (Suichuan County)

2. **Project Location (Location of project):** Yutian Town, Suichuan County

3. **Evaluation Unit (Evaluation unit):** Jiangxi province environmental protection bureau

4. **Project Investment Scale (Project investment, US$):**
   - **Total Investment Cost, US$:** 1,263,608 (871.89 万元)
   - **ADB Loan, US$:** 600,000
   - **Counterpart Fund, US$:** 663,608

5. **Construction Content (Construction content):**
   - **(1) Location, type and scale of farm, and the amount of waste, etc:** Yutian Town, Suichuan County/ pig farm/ annually produce 16,000 pigs/ produce 26006 m³ livestock waste /the construction site is not in the protected area or not near water resources
   - **(2) Type of biogas plant, equipment used, etc:**
气厂和使用设备的类型等等）

Generate electricity/ 1800 M³ biogas digesters, 600 M³ Methane Storage, install 200Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas624,200 M³ / biogas annually generate electricity 1,049,000 Kwh / slurry and sludgy annually produce organic fertilizer26006 tons / set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
   / two technical employers; four environmental monitor workers

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） 28th, August, 2008/ Jiangxi Province Environment Protection Bureau

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
1. Project Name (Name of project): Jinmu Breeding Pig Development Co., Ltd (Jinxi County)

2. Project Location (Location of project): Zuo Fang Town, Jinxi County

3. Evaluation Unit (Evaluation unit): Jiangxi Provincial Environmental Protection Bureau

4. Project Investment Scale (Project investment, US$)
   - Total investment cost (Total investment cost, US$): 704,300 (486,000 yuan)
   - ADB Loan (ADB loan amount, US$): 400,000
   - Counterpart Fund (Counterpart fund, US$): 304,300

5. Construction Content (Construction content):
   - (1) Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in a protected area or near water resources)
     Zuo Fang Town, Jinxi County / pig farm / annually produces 10,000 pigs / produces 31,025 m³ livestock waste / the construction site is not in the protected area or not near water resources
   - (2) Type of biogas plant, equipment used, etc. (沼...
Gas supply/ 800 M³ biogas digesters, 141 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

annually produce biogas 140,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludgy annually produce organic fertilizer 31025 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
<table>
<thead>
<tr>
<th>8. IEE approval date and agency (attach a photocopy of the approval letter)</th>
<th>21th, November, 2008, Jiangxi Province</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment Protection Bureau</td>
<td></td>
</tr>
</tbody>
</table>

Note: Construction period: from project启动到完工.
Operation period: from project建设结束投入实际运行至还款结束的期间.
Implementer: responsible for environment management and monitoring.

两技术雇主; 四个环境监测工作者
### Summary of Non-core subproject IEE

| 1. 项目名称 (Name of project): | Jinsha Vegetable Processing Plant (Guixi City) |
| 2. 项目位置 (Location of project): | 5 road, Industrial park, Guixi City |
| 3. 鉴定单位 (Evaluation unit): | Jiangxi province environmental protection bureau |
| 4. 项目投资规模 (Project investment, US$) |  |
|  | 汇率 (1: 6.9) |
|  | 总投资 (Total investment cost, US$): 513,043 (354 万元) |
|  | 亚行贷款 (ADB loan amount, US$): 300,000 |
|  | 配套资金 (Counterpart fund, US$): 213,043 |
| 5. 建设内容 (Construction content): |  |
| (1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) | 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方） |
| 5 road, Industrial park, Guixi City/ vegetables farm/ annually produce 200,000 tons vegetables / produce 5000 M³ Vegetable Processing waste /the construction site is not in the protected area or not near water resources |  |
| (2) type of biogas plant, equipment used, etc. (沼 |
Generate electricity/ 300 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

annually produce biogas 115,500 M³ / biogas annually generate electricity 193,200 Kwh / slurry and sludgy annually produce organic fertilizer 5000 tons/ set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. 
   / two technical employers; four environmental monitor workers

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） 21th, November, 2008 / jiangxi Province

Environment Protection Bureau

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
<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Longxin Livestock Industry Co., Ltd (Xinguo County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>lianjiang Town, Xinguo County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td>总投资 (Total investment cost, US$): 634,782 (438 万元)</td>
</tr>
<tr>
<td></td>
<td>亚行贷款 (ADB loan amount, US$): 350,000</td>
</tr>
<tr>
<td></td>
<td>配套资金 (Counterpart fund, US$): 284,782</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）</td>
</tr>
<tr>
<td></td>
<td>lianjiang Town, Xinguo County/ pig farm/ annually produce 10,000 pigs/ produce 17,337 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td></td>
<td>(2) type of biogas plant, equipment used, etc. (沼</td>
</tr>
</tbody>
</table>
6. Major environmental impacts

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

7. Environmental management plan and staff to implement the plan

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. 
   / two technical employers; four environmental monitor workers

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） 28th, August, 2008 / jiangxi Province Environment Protection Bureau

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
非核心子项目环评报告摘要

Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Lvhuan Livestock Industry Co., Ltd (Zhangshu city)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>guanshang town, Zhangshu city</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$): 686,956 (474万元)</td>
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<tr>
<td>亚行贷款 (ADB loan amount, US$): 400,000</td>
<td></td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$): 286,956</td>
<td></td>
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<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)</td>
<td></td>
</tr>
<tr>
<td>guanshang town, Zhangshu city/ pig farm/ annually produce 5450 pigs/ produce 5173 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
<td></td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc. (沼</td>
<td></td>
</tr>
</tbody>
</table>
气厂和使用设备的类型等等）
Generate electricity/ 350 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc
（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）
annually produce biogas 127,800 M³ / biogas annually generate electricity 208,700 Kwh / slurry and sludy annually produce organic fertilizer 5173 tons / set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）
1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

7. Environmental management plan and staff to implement the plan（环境管理计划和执行人员分工）
1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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）21th, November, 2008/ jiangxi Province Environment Protection Bureau

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
### Summary of Non-core subproject IEE

**1. Project Name (Name of project):** Maofeng Livestock, Poultry & Fishery Breeding Farm (Ruijin City)

**2. Project Location (Location of project):** Yeping town, Ruijin City

**3. Evaluation Unit (Evaluation unit):** Jiangxi province environmental protection bureau

**4. Project Investment Scale (Project investment, US$):**

<table>
<thead>
<tr>
<th>Total Investment Cost, US$</th>
<th>539,130 (372万元)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADB Loan Amount, US$</td>
<td>300,000</td>
</tr>
<tr>
<td>Counterpart Fund, US$</td>
<td>239,130</td>
</tr>
</tbody>
</table>

**5. Construction Content (Construction content):**

1. **Location, type and scale of farm, and the amount of waste, etc.** (Indicate if the project location is in a protected area, or near water resources)

   Yeping town, Ruijin City / pig farm / annually produce 7,000 pigs / produce 6000 M³ livestock waste / the construction site is not in the protected area or not near water resources

2. **Type of biogas plant, equipment used, etc.** (沼...
Gas supply/ 500 M³ biogas digesters, 200 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 54,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludgy annually produce organic fertilizer 6000 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers
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） 21th, November, 2008/ Jiangxi Province

Environment Protection Bureau

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
1. 项目名称 (Name of project): Mengshan Fruit Industry Development Co., Ltd (Xinguo County)  
2. 项目位置 (Location of project): gaoxing Town, Xinguo County  
3. 鉴定单位 (Evaluation unit): Jiangxi province environmental protection bureau  
4. 项目投资规模 (Project investment, US$)  
汇率 (1: 6.9)  
总投资 (Total investment cost, US$): 636,231 (439 万元)  
亚行贷款 (ADB loan amount, US$): 350,000  
配套资金 (Counterpart fund, US$): 286,231  
5. 建设内容 (Construction content):  
(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)  
gaoxing Town, Xinguo County/ pig farm/ annually produce 1850 pigs/ produce 6000 M³ livestock waste /the construction site is not in the protected area or not near water resources  
(2) type of biogas plant, equipment used, etc. (沼
气厂和使用设备的类型等等）

Generate electricity/300 M³ biogas digesters, 100 M³ Methane Storage, install 140Kw generator, 1.5Kw biogas boiler dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 418,100 M³ / biogas annually generate electricity 699,300 Kwh / slurry and sludge annually produce organic fertilizer 6000 tons / set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
   / two technical employers; four environmental monitor workers

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） 28th, August, 2008/ Jiangxi Province Environmental Protection Bureau

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
1. Project Name (Name of project): Shanzhuang Breeding Co., Ltd (Wannian County)

2. Project Location (Location of project): Shangfang town, Wannian County

3. Evaluation Unit (Evaluation unit): Jiangxi province environmental protection bureau

4. Project Investment (Project investment, US$)

   - Total investment cost (US$): 862,318 (595,000 yuan)
   - ADB loan amount (US$): 500,000
   - Counterpart fund (US$): 362,318

5. Project Content (Construction content):

   (1) Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in a protected area, or near water resources)

   - Shangfang town, Wannian County/ Pig farm/ annually produce 30,000 pigs/ produce 5700 M³ livestock waste/ the construction site is not in the protected area or not near water resources

   (2) Type of biogas plant, equipment used, etc.
Gas supply: 3000 M³ biogas digesters, 1200 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 73,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludge annually produce organic fertilizer 5700 tons / set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report.

/ two technical employers; four environmental monitor workers
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）21th, November, 2008/ Jiangxi Province Environment Protection Bureau

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
非核心子项目环评报告摘要
Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>项目名称 (Name of project):</th>
<th>Yingtan Animal Feed Development Co., Ltd (Yingtan City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>项目位置 (Location of project):</td>
<td>zhongtong town, yujiang county</td>
</tr>
<tr>
<td>鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>433,333 (299 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>250,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>183,333</td>
</tr>
<tr>
<td>建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources)</td>
<td></td>
</tr>
<tr>
<td>zhongtong town, yujiang county/ pig farm/ annually produce 11,000 pigs/ produce 4790 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
<td></td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc, (沼</td>
<td></td>
</tr>
</tbody>
</table>
Generate electricity, 300 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

annually produce biogas 113,100 M³ / biogas annually generate electricity 190,500 Kwh / slurry and sludgy annually produce organic fertilizer 4790 tons/ set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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）21th, November,2008/ jiangxi Province Environment Protection Bureau

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
1. **项目名称 (Name of project):** Chengshaohua Pig Breeding Farm (Xingou County)

2. **项目位置 (Location of project):** Jiaotou village, Xingou County

3. **鉴定单位 (Evaluation unit):** Jiangxi province environmental protection bureau

4. **项目投资规模 (Project investment, US$):**
   - 总投资 (Total investment cost, US$): 615,942 (425万)
   - 亚行贷款 (ADB loan amount, US$): 350,000
   - 配套资金 (Counterpart fund, US$): 265,942

5. **建设内容 (Construction content):**
   1. **location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources):**
      - Jiaotou village, Xingou County/ pig farm/ annually produce 4000 pigs/ produce 6100 M³ livestock waste /the construction site is not in the protected area or not near water resources
   2. **type of biogas plant, equipment used, etc. (沼气池, 设备)
气厂和使用设备的类型等等）

Generate electricity/300 M³ biogas digesters, 100 M³ Methane Storage, install 90Kw generator, 1.5Kw biogas boiler dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）

annually produce biogas 275,900M³ / biogas annually generate electricity 463,800Kwh / slurry and sludy annually produce organic fertilizer 6100 tons / set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
   / two technical employers; four environmental monitor workers

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） 28th, August, 2008 / jiangxi Province Environment Protection Bureau

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
<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Daxing Agro &amp; Livestock Industry Co., Ltd (Pingxiang City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>chang ping Town, shangli County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>695,652 (480 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>400,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>295,652</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)</td>
<td>chang ping Town, shangli County/ pig farm/ annually produce 3200 pigs/ produce 18,724 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc.</td>
<td>(沼</td>
</tr>
</tbody>
</table>
Gas supply/400 M³ biogas digesters, 150 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

annually produce biogas 122,700 M³ / biogas annually generate electricity 0 Kwh / slurry and sludge annually produce organic fertilizer 18,724 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report.
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）

28th, August, 2008 / jiangxi Province Environment Protection Bureau

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
1. Project Name (Name of project): Fengyuan Livestock Industry Co., Ltd (Yujiang County)

2. Project Location (Location of project): Zhongtong Town, Yujiang County

3. Evaluation Unit (Evaluation unit): Jiangxi Province Environmental Protection Bureau

4. Project Investment (Project investment, US$)
   - Total investment cost, US$: 439,130 (303 million)
   - ADB loan amount, US$: 250,000
   - Counterpart fund, US$: 189,130

5. Construction Content (Construction content):
   (1) Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in a protected area, or near water resources)
   Zhongtong Town, Yujiang County / pig farm / annually produce 13,000 pigs / produce 5745 m³ livestock waste /the construction site is not in the protected area or not near water resources

   (2) Type of biogas plant, equipment used, etc. (沼气池的类型、设备等)
Generate electricity/ 350 M³ biogas digesters, 100 M³ Methane Storage, install 50 Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc.

Annually produce biogas 116,800 M³ / biogas annually generate electricity 197,100 Kwh / slurry and sludge annually produce organic fertilizer 5745 tons / set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
   / two technical employers; four environmental monitor workers

| 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） 28th, August, 2008 / jiangxi Province Environment Protection Bureau |
|---|---|
| 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 |
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>gandong jianchang Pig breeding Co., Ltd (Chongren County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>guangming village, Chongren County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td>汇率 (1: 6.9)</td>
<td></td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>695,652 (480 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>600,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>95,652</td>
</tr>
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<td>5. 建设内容 (Construction content):</td>
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<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)</td>
<td>guangming village, Chongren County / pig farm / annually produce 12,000 pigs / produce 24347 M³ livestock waste / the construction site is not in the protected area or not near water resources</td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc. (沼)</td>
<td></td>
</tr>
</tbody>
</table>
Generate electricity/ 1800 M³ biogas digesters, 500 M³ Methane Storage, install 100Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc.

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas365,000 M³ / biogas annually generate electricity 557,000 Kwh / slurry and sludge annually produce organic fertilizer 24347 tons / set up the organic vegetable base.

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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）13th, March, 2012 / Jiangxi Province Environment Protection Bureau

Note: Construction period: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
# Summary of Non-core subproject IEE

1. **Project Name (Name of project):** Hualekang Bio-Products Production Company (Pingxiang City)

2. **Project Location (Location of project):** Tongmu Town, Shangli County

3. **Evaluation Unit (Evaluation unit):** Jiangxi Province Environmental Protection Bureau

4. **Project Investment Scale (Project investment, US$):**
   - Total Investment Cost (US$): 546,376 (487,376 yuan)
   - ADB Loan (ADB loan amount, US$): 400,000
   - Counterpart Fund (Counterpart fund, US$): 146,376

5. **Construction Content (Construction content):**
   1. Location, type, and scale of farm, and the amount of waste, etc. (indicate if the project location is in a protected area, or near water resources)
   - Tongmu Town, Shangli County/ Pig farm/ Annually produce 3,000 pigs/ Produce 134,133 M³ livestock waste/ The construction site is not in the protected area or not near water resources
   2. Type of biogas plant, equipment used, etc. (沼气装置类型、设备等)
Gas supply/ 400 M³ biogas digesters, 150 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

<table>
<thead>
<tr>
<th>(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>annually produce biogas 133,600 M³ / biogas annually generate electricity 0 Kwh / slurry and sludy annually produce organic fertilizer 13413 tons/ set up the organic vegetable base</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(4) construction and operational period (建设期和运作期)</th>
</tr>
</thead>
<tbody>
<tr>
<td>one years / twenty-five years</td>
</tr>
</tbody>
</table>

### 6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH₃-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
two technical employers; four environmental monitor workers

<table>
<thead>
<tr>
<th>8. IEE approval date and agency (attach a photocopy of the approval letter)</th>
<th>28th August, 2008, Jiangxi Province Environment Protection Bureau</th>
</tr>
</thead>
</table>

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
1. Project name (Name of project): Jinlin Livestock Industry Company (Huichang County)

2. Project location (Location of project): Tang Town, Xingou County

3. Evaluation unit (Evaluation unit): Jiangxi Province Environmental Protection Bureau

4. Project investment scale (Project investment, US$)
   - Total investment (Total investment cost, US$): 546,376 (377 million)
   - ADB loan (ADB loan amount, US$): 300,000
   - Counterpart fund (Counterpart fund, US$): 246,376

5. Construction content (Construction content):
   - Location, type, and scale of farm, and the amount of waste, etc. (indicate if the project location is in a protected area, or near water resources)
     - Tang Town, Xingou County, pig farm, annually produce 6,000 pigs, produce 14,235 M³ livestock waste. The construction site is not in the protected area or not near water resources
   - Type of biogas plant, equipment used, etc. (沼气池，设备使用等)
Gas supply/500 M³ biogas digesters, 200 M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 54,000 M³ / biogas annually generate electricity 0 Kwh / slurry and sludgy annually produce organic fertilizer 14235 tons / set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
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） 28th, August, 2008/ jiangxi Province Environment Protection Bureau

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
### Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project)</th>
<th>xingwang livestock farms (Chongyi County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project)</td>
<td>hengshui Town , Chongyi County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit)</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td>汇率 (1: 6.9)</td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$): 565,565 (390.24万)</td>
<td>亚行贷款 (ADB loan amount, US$): 300,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$): 265,565</td>
<td></td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)</td>
<td>hengshui Town , Chongyi County/ pig farm/ annually produce 11,000 pigs/ produce 19359 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
</tbody>
</table>
| (2) type of biogas plant, equipment used, etc. | 沼...
气厂和使用设备的类型等等）

Generate electricity/ 900 M³ biogas digesters, 400 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower,pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas328,500 M³ / biogas annually generate electricity 525,600 Kwh / slurry and sludgy annually produce organic fertilizer 19535 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. 
   / two technical employers; four environmental monitor workers

<table>
<thead>
<tr>
<th>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）</th>
<th>23th,May,2012/ jiangxi Province Environment Protection Bureau</th>
</tr>
</thead>
</table>

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
**Summary of Non-core subproject IEE**

1. **Project Name**: Daren farmers' professional cooperatives livestock farms (Xingguo County)

2. **Project Location**: Lianjiang Town, Xingguo County

3. **Evaluation Unit**: Jiangxi province environmental protection bureau

4. **Project Investment Scale**: Total investment cost (US$): 671,072 (463.04万元)
   - ADB loan amount (US$): 350,000
   - Counterpart fund (US$): 321,072

5. **Construction Content**:
   - **(1) Location, Type and Scale of Farm, and the Amount of Waste, etc.** (indicate if the project location is in protected area, or near water resources)
     - Lianjiang Town, Xingguo County/ Pig farm/ annually produce 2,000 pigs/ produce 6570 M³ livestock waste/ the construction site is not in the protected area or not near water resources
   - **(2) Type of Biogas Plant, Equipment Used, etc.** (沼...
Gas supply/ 300 M³ biogas digesters, 100M³ Methane Storage, install dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 109,500 M³ / biogas annually generate electricity 0 Kwh / slurry and sludge annually produce organic fertilizer 6570 tons / set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.

4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers
8. IEE approval date and agency (attach a photocopy of the approval letter)

23th May, 2012, Jiangxi Province Environment Protection Bureau

Note: Construction period: refers to the period from project启动到完工
Operational period: refers to the period from project construction to actual operation until the repayment is completed
Personnel responsible: refers to the personnel responsible for environmental management and monitoring.
### Summary of Non-core subproject IEE

1. **Project Name (Name of project):** Shuaishan pig ecological Breeding farm (Huichang County)

2. **Project Location (Location of project):** zhuangbu Town, huichang County

3. **Evaluation Unit (Evaluation unit):** Jiangxi province environmental protection bureau

4. **Project Investment Scale (Project investment, US$):**
   - **Total Investment (Total investment cost, US$):** 718,840 (496 万元)
   - **ADB Loan (ADB loan amount, US$):** 400,000
   - **Counterpart Fund (Counterpart fund, US$):** 3718,840

5. **Construction Content (Construction content):**
   - (1) Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in a protected area, or near water resources): zhuangbu Town, huichang County pig farm annually produces 8,600 pigs, produces 6570 M³ livestock waste. The construction site is not in the protected area or not near water resources.
   - (2) Type of biogas plant, equipment used, etc. (沼气
气厂和使用设备的类型等等)
Generate electricity/ 300 M³ biogas digesters, 100 M³ Methane Storage, install 10Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc
（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）
annually produce biogas 109,500 M³ / biogas annually generate electricity 175,200 Kwh / slurry and sludge annually produce organic fertilizer 26006 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期）
one years / twenty-five years

6. Major environmental impacts（主要环境影响）
1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

7. Environmental management plan and staff to implement the plan（环境管理计划和执行人员分工）
1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

| 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） 23th,May,2012/ jiangxi Province Environment Protection Bureau

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
## Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. Project Name (Name of project):</th>
<th>Songshan Livestock Industry Co., Ltd (Chongyi County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Project Location (Location of project):</td>
<td>Qianchang Town, Chongyi County</td>
</tr>
<tr>
<td>3. Evaluation Unit (Evaluation unit):</td>
<td>Jiangxi Province Environmental Protection Bureau</td>
</tr>
<tr>
<td>4. Project Investment (Project investment, US$)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total investment cost (US$): 377,217 (260.28 万元)</td>
</tr>
<tr>
<td></td>
<td>ADB Loan (ADB loan amount, US$): 200,000</td>
</tr>
<tr>
<td></td>
<td>Counterpart Fund (Counterpart fund, US$): 177,217</td>
</tr>
<tr>
<td>5. Construction Content (Construction content):</td>
<td></td>
</tr>
<tr>
<td>(1) Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)</td>
<td>Qianchang Town, Chongyi County, pig farm, annually produce 10,000 pigs, produce 18,980 M³ livestock waste, the construction site is not in the protected area or not near water resources</td>
</tr>
</tbody>
</table>
| (2) Type of biogas plant, equipment used, etc. | (沼...
(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用，生态农业等等)

annually produce biogas 328,500 M³ / biogas annually generate electricity 525,600 Kwh / slurry and sludge annually produce organic fertilizer 18,980 tons/ set up the organic vegetable base

(4) construction and operational period (建设期和运作期) one years / twenty-five years

6. Major environmental impacts (主要环境影响)

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

8. IEE approval date and agency (attach a photocopy of the approval letter) 初步环评批准日期和机构名称（附上批复信的复印件） 23th, May, 2012/ Jiangxi Province Environment Protection Bureau

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
### 1. Project Name (Name of project):
Jiangxi Province, xiangxing livestock Co., Ltd. (yanshan County)

### 2. Project Location (Location of project):
wanger Town, yanshan County

### 3. Evaluation Unit (Evaluation unit):
Jiangxi province environmental protection bureau

### 4. Project Investment (Project investment, US$)

<table>
<thead>
<tr>
<th>Project Investment (US$)</th>
<th>550,724 (380万元)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADB Loan (US$)</td>
<td>400,000</td>
</tr>
<tr>
<td>Counterpart Fund (US$)</td>
<td>150,724</td>
</tr>
</tbody>
</table>

### 5. Construction Content (Construction content):

1. Location, type and scale of farm, and the amount of waste, etc. (indicate if the project location is in protected area, or near water resources)
wanger Town, yanshan County, pig farm, annually produce 20,000 pigs, produce 15,771 M³ livestock waste, the construction site is not in the protected area or not near water resources

2. Type of biogas plant, equipment used, etc.
气厂和使用设备的类型等等）

Generate electricity/ 400 M³ biogas digesters, 160 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量, 沼气的使用, 沼渣沼液的使用、生态农业等等)

annually produce biogas135,100 M³ / biogas annually generate electricity 243,100 Kwh / slurry and sludy annually produce organic fertilizer 15,771 tons/set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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） 13th, March, 2012 / Jiangxi Province Environment Protection Bureau

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
Summary of Non-core subproject IEE

1. Project name (Name of project): xing Fu pig breeding Industrial Co., Ltd(yanshan County)

2. Project location (Location of project): hekou Town, yanshan County

3. Evaluation unit (Evaluation unit): Jiangxi province environmental protection bureau

4. Project investment (Project investment, US$)
   Exchange rate (1: 6.9)
   Total investment cost (US$): 550,724 (380,000 yuan)
   ADB loan amount (US$): 400,000
   Counterpart fund (US$): 150,724

5. Construction content (Construction content):
   (1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) - Farm's location, type, scale, and waste production.
   hekou Town, yanshan County/ pig farm/ annually produce 10,665 pigs/ produce 5748 M³ livestock waste /the construction site is not in the protected area or not near water resources
   (2) Type of biogas plant, equipment used, etc. (沼气工程类型、设备等)
Generate electricity/ 400 M³ biogas digesters, 100 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

(沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等)

annually produce biogas 135,100 M³ / biogas annually generate electricity 243,100 Kwh / slurry and sludge annually produce organic fertilizer 5748 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期） one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
   / two technical employers; four environmental monitor workers

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） 15th May, 2012/ Jiangxi Province Environment Protection Bureau

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
<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>Lvyuan Pig Breeding farms (Yanshan County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>Wangertown, Yanshan County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi Province Environmental Protection Bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td>汇率 (1: 6.9)</td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>521,739 (360 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>300,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>221,739</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td>(1) location, type and scale of farm, and the amount of waste, etc (indicate if the project location is in protected area, or near water resources) 农场的位置、类型、规模以及所产生废弃物的数量等（需要指出项目所在地是否处于保护区或接近于水源的地方）</td>
</tr>
<tr>
<td>wanger Town, Yanshan County/ pig farm/ annually produce 10,000 pigs/ produce 151,80 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
<td></td>
</tr>
<tr>
<td>(2) type of biogas plant, equipment used, etc. (沼</td>
<td></td>
</tr>
</tbody>
</table>
气厂和使用设备的类型等等)

Generate electricity/ 240 M³ biogas digesters, 96 M³ Methane Storage, install 50Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc

（沼气产量，沼气的使用，沼渣沼液的使用、生态农业等等）
annually produce biogas 87,600 M³ / biogas annually generate electricity 157,680Kwh / slurry and sludge annually produce organic fertilizer 15,180 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts（主要环境影响）

1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.

2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH3-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.

3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

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

1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.

2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.

3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report.
   / two technical employers; four environmental monitor workers

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）
   13th, March, 2012 / Jiangxi Province Environmental Protection Bureau

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
非核心子项目环评报告摘要

Summary of Non-core subproject IEE

<table>
<thead>
<tr>
<th>1. 项目名称 (Name of project):</th>
<th>jiangxi original Breeding Pig Co.,Ltd  (Jinxi County)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 项目位置 (Location of project):</td>
<td>langju Town, Jinxi County</td>
</tr>
<tr>
<td>3. 鉴定单位 (Evaluation unit):</td>
<td>Jiangxi province environmental protection bureau</td>
</tr>
<tr>
<td>4. 项目投资规模 (Project investment, US$)</td>
<td>汇率 (1: 6.9)</td>
</tr>
<tr>
<td>总投资 (Total investment cost, US$):</td>
<td>666,666 (460 万元)</td>
</tr>
<tr>
<td>亚行贷款 (ADB loan amount, US$):</td>
<td>700,000</td>
</tr>
<tr>
<td>配套资金 (Counterpart fund, US$):</td>
<td>-33,334</td>
</tr>
<tr>
<td>5. 建设内容 (Construction content):</td>
<td>(1) 项目所在地是否处于保护区或接近于水源的地方</td>
</tr>
<tr>
<td>农场的位置、类型、规模以及所产生废弃物的数量等 (需要指出项目所在地是否处于保护区或接近于水源的地方)</td>
<td>langju Town, Jinxi County/ pig farm/ annually produce 25,000 pigs/ produce 109,500 M³ livestock waste /the construction site is not in the protected area or not near water resources</td>
</tr>
</tbody>
</table>
| (2) 项目生物处理设施、设备使用等 (沼气设施) | (沼...
气厂和使用设备的类型等等）
Generate electricity/ 500 M³ biogas digesters, 200 M³ Methane Storage, install 120Kw generator, 1.5Kw biogas boiler, dehydrogenation equipment, sweetener, pulverizer, dryer, blower, pumper etc

(3) amount of biogas generated, uses of biogas, uses of slurry and sludge, eco-farming, etc
（沼气产量, 沼气的使用, 沼渣沼液的使用、生态农业等等）
annually produce biogas 420,480 M³ / biogas annually generate electricity 207,365 Kwh /
slurry and sludge annually produce organic fertilizer 109,500 tons/ set up the organic vegetable base

(4) construction and operational period（建设期和运作期）one years / twenty-five years

6. Major environmental impacts（主要环境影响）
1. Sanitation effects: pre-biogas construction, the pig farm and surrounding place are dirty and mess, producing mosquito and flies to spread disease; post-biogas construction, harmful bacteria, virus and parasitic ovum will be efficiently killed off, reducing the people and animal falling ill.
2. Improve the water: post-biogas construction, the digester will lower the COD, BOD, NH₃-N, and P etc. organic matter contents, the digester will efficiently improve the surrounding surface water, groundwater, and air etc.
3. After the biogas construction, the livestock solid waste will be usefully and resourcefully used, the waste water standard discharge.

7. Environmental management plan and staff to implement the plan（环境管理计划和执行人员分工）
1. Periodical monitor the pre-treated and post-treated waste water, analyze the parameter changing trend, to easily find out the abnormal situation, and guarantee the normally run, support the management from the technique.
2. Periodical monitor all kinds of contamination discharging situation, then statistics and analyze, filled these data, to easily control the digester effects, support to compose the pollution prevention plan.
3. Periodical monitor the water, then statistics and analyze, filled these data, and report the supervision.
4. In charge of the contamination accidents monitor and compose the accident report. / two technical employers; four environmental monitor workers

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） 28th, April, 2012 / Jiangxi Province Environment Protection Bureau

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