Gold Standard Initial Stakeholder Consultation Report

Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project
Wu'an, Handan, Hebei, China

Wu'an Tongbao Coking Co., Ltd. / Southpole Carbon Asset Management Ltd.

1. Summary

Stakeholder consultation of the proposed GS-CER project has been conducted in two rounds: stakeholder consultation at EIA stage and Initial Local Stakeholder Consultation dedicated for GS-CER project. The following Table.1 and Table.2 have basic information of these two rounds of stakeholder consultation.

Table.1 Local Stakeholder Consultation at EIA Stage

Date of EIA	November 2006
EIA Assessing Entity	Hebei Zhonglian Energy and Environment Consulting Co., Ltd.
Proficiency Code	Yi 1212
Approval Code of the EIA	Hebei EIA [2007] No.370
Date of Invitation	14th November 2006
Date of Consultation Meting	24th November 2006
Venue of Consultation	meeting room of the plant

Table.2 Gold Standard Initial Local Stakeholder Consultation

Date of Invitation	13th February 2008
Date of Consultation Meeting	28th Februry 2008
Invitations Sent by	Wu'an Tongbao Co., Ltd. And South Pole Carbon Asset Management Ltd.
Means of Invitation	Emails and internet, phone calls, visiting invitation
Consultation Conducted by	Wu'an Tongbao Co., Ltd. And South Pole Carbon Asset Management Ltd.
Venue of Consultation Meting	Baiyun Hotel, Wu'an, Handan, Hebei
Website of Consultation	http://www.southpolecarbon.com/goldstandard_consultations.htm

This report is mainly a description of the later one, Initial Local Stakeholder Consultation dedicated for applying for a GS-CER project. For procedures and results of the consultation in EIA please see Annex of the report.

2. Procedures Followed to Invite Comments

Sending Invitations

Before the oral hearing for local stakeholders, an invitation was prepared for the Initial Local Stakeholder Consultation including procedures of the meeting. This invitation, along with the non-technical description of the project, the non-technical summary of the project EIA, the Appendix E of Gold standard (the checklist) and the Gold Standard Sustainable Development Assessment Matrix, in both English and Chinese, were attached for comments.

The plant owner invited local policy makers, journalists from local media, local residents near plant site and representatives of plant staff.

Meanwhile, Southpole Carbon sent invitations via email on 13th February 2008, to Gold Standard supporting organizations in China, with a copy to the Gold Standard.
The recipients' list of the email invitation is summarized in following Table.3:

Table.3 Recipients' List of Invitation

Organization Invited	Email address
Gold Standard	info@cdmgoldstandard.org
WWF	liam@wwfthai.org
WWF	mark.kenber@btopenworld.com
Greenpeace China	greenpeace.china@hk.greenpeace.org
GEI, local GS supporter	spchen@geichina.org
Gold Standard	denise@cdmgoldstandard.org
Dai Yuran as local expert for GS	Yuran.dai@tfsbrokers.com

Internet Consultation
Simultaneously, the invitation together with all documents were uploaded to the website of South Pole Carbon Asset Management Ltd, at address of:
http://www.southpolecarbon.com/goldstandard_consultations.htm

Besides the documents uploaded to the Internet, the consulted individuals and organizations could also inquiry for more details of the project via phone (+86 10 8454 9953) or email: l.wang@southpolecarbon.com. Wu'an Tongbao Coking Co., Ltd.'s contact: 0310-5698299

The Consultation Meeting
The meeting was held at Baiyun Hotel of Wu'an on 28th February 2008, as appointed in the invitation.
Following persons have attended the meetings:

Table.4 Attendants' List

Participants	Salutation	Organisation / Firm	Function	Contact
Li Ji	Mr.	Tongbao Coking	Vice executive, plant chief	13832019029
Hao Xiankui	Mr.	Tongbao Coking	Plant staff	13930025635
Miao Weichang	Mr.	Local resident	Resident	13082120909
Miao Shutian	Mr.	Village committee	Director	15030001734
Yang Lu	Ms.	Local resident	Resident	
Ren Lihua	Mr.	Wu'an TV station	Journalist	13483413486
Zhao Jing	Ms.	Wu'an TV station	Journalist	15831093586
Zhang Bin	Mr.	Wenfeng Group	Plant staff	
Yin Guifeng	Mr.	Wenfeng captive power plant	Plant staff	03105179158
Li Huaihe	Mr.	Wenfeng Group	Director	-
Zhang Huamin	Mr.	Wu'an TV station	Journalist	13012104020
Li Yinchang	Mr.	Nanhe village	Resident	-
Liu Peicheng	Mr.	Wu'an DRC	Vice chief	-
Wang Zengwang	Mr.	Wu'an DRC	Officer	-
Liu Baoyin	Mr.	Local CDM promoter	Local CDM promoter	13803100938
Ivan Huang	Mr.	Southpole Carbon	Project manager	13678973137
Leon Wang	Mr.	Southpole Carbon	Project manager	13911091230

Documentation prepared and meeting held in Mandarin (Chinese official language).

Meetings procedure

- Opening (5 min)
- Introduction of Wu'an Tongbao Coking Co., Ltd and Southpole Carbon Asset Management Ltd. (15 min)
- Purpose of the consultation (5 min)
- Description of the project (15 min)
- Description of the non-technical Environmental Impact Assessment of the project (15 min)
- Answering of questions and inviting for comments (10 min)
- Completing checklists, answering related questions and inviting for comments (45 min)
- Answering to CDM and GHG reduction project related questions and inviting for comments (15 min)
- General feedback and closing (10 min)

Meeting protocols

On completion of the various meetings, the following documentation was collected:

- Presence list with name, organization and occupation/position (attested by the signatures of the stakeholders that were present)
- Filled out Appendix E of Gold Standard (checklist) (attested by the signatures of the stakeholders that were present)
- Chinese (local language) version of non-technical project description, including the Gold Standard SD Matrix (attested by the signatures of the stakeholders that were present)
- Chinese (local language) version of non-technical description of EIA of the proposed project (attested by the signatures of the stakeholders that were present)
- Photographs of the meeting

These documents are available as hardcopies and will be handed over to the Designated Operational Entity (DOE) conducting the Gold Standard validation process.

3. Comments Received

Questionnaires Collected

17 pieces of questionnaires were sent out and collected during the meeting. The questionnaires are all prepared in compliance with Appendix E of Gold Standard CER Manual. The questions all have been translated into Chinese.
From questionnaires collected in the meeting, no negative rating was found.

Comments from the Meeting

A local resident expressed his opinions that the positive impacts of the project can be summarized in five aspects: the project will generate additional demand for local labor by generating high-quality working opportunities; it will boost local economy development in a sustainable manner; it will improve local environment by introducing clean manufacturing instead of conventional way of coke production; it will provide additional power supply to local grid. He hoped that the project would get support from local government.
A plant employee said that the project would utilize waste heat for power generation without generating additional pollution. He said that the project would benefit plants as well as the global environment.
A local policy maker said that Tongbao Coking is the first and only plant utilizing QRD clean-type coke ovens in Hebei province. The government

welcomes the project and is willing to support it in applying for a CDM project.

Comments from the Internet

No comment was received from the Internet.

4. Comments Taken into Account

Basically all comments are positive and encouraging. The project participants do not need to take further actions other than those addressed in EIA since all comments received are positive.

As no major concerns were raised during the entire initial stakeholder consultation process, it was not necessary to make any changes to the Project Design.

Annex I Consultation in EIA

As addressed in Section 1 Summary of the report, Environmental Impact Assessment Form has been prepared on November 2006 and has been approved by Hebei EPA on 9th October 2007. EIA Law of China requires public consultation process during EIA. Public consultation was conducted as per *"2006 Temporary Method of Public Consultation in Environment Impacts Assessment"*.

Participants invited for the consultation were mainly habitants around the plant. They were peasants from Dongzhaixi, Xizhaixi, Lancun, Pianshancun and Tushan town. Potential environment impacts and countermeasures were made public since 14th November 2006. Public opinions were collected through questionnaires and public hearing.

The public hearing was held on 25th November 2006 in the meeting room of Tongbao Coking Co. Ltd. 19 people from villages, local government, designing institute and the construction company attended the meeting. Summary of the questionnaires showed that 68% of the attendants cared about the environment and 32% of them cared the environment very much; 34% thought the project will improve local air quality and 66% thought there would not be significant difference in air quality; 46% knew the project comprehensively and 54% merely knew the project; 100% of the participants thought the project will boost local economy development; 100% thought the advantages were more than the disadvantages; 100% thought the location of the project was appropriate.

Annex II Invitation and Replies

First Invitation Email Sent

Subject: Invitation of Initial Local Stakeholder Consultation Meeting of "Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project"武安市通宝焦炉及干熄焦（CDQ）余热回收项目当地利益相关方研讨会邀请函
Date: Wednesday, February 13, 2008 18:48
From: Leon Wang <l.wang@southpolecarbon.com>
To: "info@cdmgoldstandard.org" <info@cdmgoldstandard.org>,
"liam@wwfthai.org"<liam@wwfthai.org>,"mark.kenber@btopenworld.com"
<mark.kenber@btopenworld.com>,"greenpeace.china@hk.greenpeace.org"
<greenpeace.china@hk.greenpeace.org>

Dear Secretariat of Gold Standard,
Dear Sir/Madam whoever concerns,

Hebei Wu'an Tongbao Coking Co., Ltd. and South Pole Carbon Asset Management Ltd. are planning to conduct an initial stakeholders consultation meeting for "Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project" project. The proposed project is going to apply for CDM and Gold Standard CER project.
With this invitation letter, the project participants would like to invite you to participate/witness this initial stakeholder consultation meeting.
The meeting is going to be held on 28th February, 2008 from 8:00 am to 12:00 am.
The venue: Wu'an Baiyun Hotel Zhongxin Lu (Central Road) Wu'an City, Hebei Province, P.R. China

The contact persons:
Mr. Liu Baoying
Representative of Wu'an Tongbao Coking Co., Ltd
Mobile: 13803100938

Mr. Leon Wang
Project Manager, South Pole Carbon Asset Management Ltd.
Phone: 010-8454 9953
Mobile: 13911091230

Enclosed are project non-technical description documents of EIA and PDD, as required by GS CER manual, in local language (Simplified Chinese).

Your presence are welcomed.
We will be grateful if you can reply to this mail to inform with us whether you will be attend or not.

Best Regards
王亮亮
Leon Wang
Project Manager, China

Phone: +86 10 8454 9953
Fax: +86 10 8454 9953
Mobil: +86 139 1109 1230

South Pole Carbon Asset Management Ltd.
Technoparkstrasse 1
8005 Zurich
Switzerland
http://www.southpolecarbon.com

Non-technical Description of the Project in English

Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project
Project Summary

Description of the project activity
The purpose of the proposed project is to utilize waste heat from coking process for power generation at Hebei Wu'an Tongbao Coking Co., Ltd.. Currently the plant is producing coke with clean coke ovens. Clean coke oven is also known as non-recovery type oven, which burns chemical produces and harmful substance from coking process thoroughly inside to prevent coking fume from being discharged into atmosphere. Waste gas from this kind of ovens is not combustible but contains a lot of heat, which is going to be recovered for electricity generation by proposed project. Another source of heat is the counter-flowing gas within the coke dry quenching (CDQ) system, which absorbs heat from the hot carbonized coke from ovens. The proposed project is to adopt heat exchange type boilers to collect the waste heat to produce steam propelling turbines and generators for power generation. 5 boilers will be installed for heat recovery from coke ovens and another one boiler is to be installed for waste heat recovery from CDQ system. There will be 6 boilers in total. Besides electricity generation, a small portion of the steam generated by boilers will be used to replace the current running coal-based boiler to supply heat to the residents of the plant in winter.

The total installation capacity is 60 MW. The estimated utilization hour is 7920 hours (330 days). The project is expected to generate electricity of about 4.75×105 MWh annually. The electricity generated will replace equivalent amount of electricity from North China Power Grid. The annual heat supply is 25254.7 GJ. In absence of the project, equivalent amount of electricity exported to the grid by the proposed project would have otherwise been supplied by North China Power Grid; equivalent amount of heat supplied by the waste heat recovery boiler would have otherwise been supplied by the coal-based boiler. Greenhouse gas (GHG) emissions will be reduced by avoiding CO2 emissions from those fuel-based power plants connected to the grid and by avoiding CO2 emissions from the coal-based boiler in the plant. The expected annual emission reductions is 440,617 tonnes CO2e.

Current practice of the plant
Tail gas from coke ovens is discharged into atmosphere. Waste heat is not recovered. The plant is now running with wet coke quenching (CWQ) facilities. In absence of the project, equivalent amount of electricity generated by the proposed project would have otherwise been supplied by North China Power Grid.

The Sustainable Development Matrix
The project participants are planning to apply for Gold Standard for the proposed project. In order for the project to be eligible for the Gold Standard, the project activity is assessed against a matrix of sustainable development indicators.

Component • Indicators	**Score** (-2 to +2)	**Rational**
Local / Regional / Global Environment		
• Water quality and quantity	+2*	In absence of the project activity, the coke wet quenching facility (CWQ) would have consumed huge amount of water. According to the Feasibility Study Report, 500 kg water will be saved from quenching of each tonne of coke with CDQ. With 5 sets of coke ovens, the annual coke production is about 600,000 tonnes. Based on this figure, the annual water saving would be around 300,000 tonnes.
• Air quality (emissions other than GHG)	+2	Besides GHG emission reductions, implementation of the project also has other advantages over baseline scenario in terms of impacts on air quality. By installing de-dusting facility, dust emissions will be greatly reduced. Since the quenching will take place in closed cooling chamber, emissions of carbon monoxide (CO) and hydrogen sulphide (H2S) will be reduced too. Installation of the de-sulphur unit ensures final emission will be within the standard of GB13223-2003.
• Other pollutants (including, where relevant, toxicity, radioactivity, POPs, stratospheric ozone layer depleting gases)	0	There is no significant difference on this point.
• Soil condition (quality and quantity)	0	Construction of the project is on vacant land within the plant boundary. Implementation of the project does not lead to soil pollution. As compared to the baseline, there is no significant change in soil condition, in quality and quantity.
• Biodiversity (species and habitat conservation)	0	As compared to the baseline, no significant change in biodiversity is expected since the project only takes place within the plant boundary.
Sub Total	**+4**	
Social Sustainability and Development		
• Employment (including job quality, fulfilment of labour standards)	+2	The project leads to employment generation in the power plant itself and in the implementation as a GS CDM project. The project participants will record how many people are engaged for the project each year. The quality of the job will be improved also, mainly because it is the first time local employee gets to know GHG, global warming and other relative issues. Project manager and operators in the plant will have chance to learn new knowledge of sophisticated monitoring equipments and computer operations.
• Livelihood of the poor (including poverty alleviation,	+1	Wu'an municipality is a less developed place with annual income less than 500 EU per capita. The

distributional equity, and access to essential services)		project will generate additional income to people involved.
• Access to energy services	+2	China has been in lack of power for years due to its fast economy development. The project activity adds new capacity to grid and helps improving electricity availability. Power generation from the project activity will be monitored and reported to verifier.
• Human and institutional capacity (including empowerment, education, involvement, gender)	+1	People involved are trained with skills for operation of the power generation facility and knowledge of Kyoto Protocol. This is the first time local people are organised to work on a project under the Kyoto Protocol. Success of the project will contribute a team with experience of waste heat recovery and CDQ technology to Chinese coke industry.
Sub Total	**+6**	
Economic and Technological Development		
• Employment (numbers)	+2	The project activity generates employment opportunities during the project's construction and operation period. Preliminary design and feasibility study of the project also involved many manpower input. Project participants will monitor and record how much manpower demand is generated by construction and operation of the project.
• Balance of payments (sustainability)	0	All equipments of the proposed project are purchased from domestic manufactures. No import and export is involved in the project activity. Hence, compared with baseline scenario there is no significant difference in term of balance of payments.
• Technological self reliance (including project replicability, hard currency liability, institutional capacity, technology transfer)	+1	Implementation of the project does not involve technology transfer. While the success of the project surely will encourage more clean production practice in coke plants in China. Currently most of the coke plants in China are still running with conventional technology of coke wet quenching and the waste heat is emitted into atmosphere directly without waste heat recovery. The proposed project will contribute in shifting the less developed image of the coke industry in China.
Sub Total	**+3**	
Total	**+13**	

Introduction to the Environmental Impacts

The brief introduction sent with invitation in local language (Chinese) can be provided on request.

Auto-reply from Greenpeace

Subject: Auto-reply message from Greenpeace China 綠色和平自動回覆訊息
Date: Wednesday, February 13, 2008 19:01
From: greenpeace.china@hk.greenpeace.org
To: <l.wang@southpolecarbon.com>
Conversation: Auto-reply message from Greenpeace China 綠色和平自動回覆訊息

Dear Sir/Madam,
Thank you for your email. This auto-reply message is to acknowledge the receipt of your email and it will be processed as soon as possible.

In all but a few exceptional cases, we work on a global scale and does not address individual pollution cases one by one. Due to limited resources, we have to focus our manpower and resources on issues that pose major threats to ecosystems and species like climate and energy, food safety, toxic chemicals and forests. As a result, we might not be able to respond to all public requests and opinions shortly.
Thank you for your patience and understanding.
For more, please visit our website What We Do (http://www.greenpeace.org/china/ en/campaigns) and FAQs (http://www.greenpeace.org/china/en/faqs) for further information.

Best Regards,
Greenpeace China
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Greenpeace exists because this fragile earth deserves a voice.
It needs solutions. It needs change. It needs action.
~~~~~~

Website: www.greenpeace.org.cn.
Join us and take action: http://www.greenpeace.org/china/en/SupportUs

Reply From Gold Standard

Subject: Re: Invitation of Initial Local Stakeholder Consultation Meeting of "Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project"武安市通宝焦炉及干熄焦（CDQ）余热回收项目当地利益相关方研讨会邀请函
Date: Thursday, February 14, 2008 21:36
From: Infobox <info@cdmgoldstandard.org>
To: Leon Wang <l.wang@southpolecarbon.com>
Cc: Meinrad Bürer <meinrad@cdmgoldstandard.org>, Yuran Dai <Yuran.dai@tfsbrokers.com>, <spchen@geichina.org> Conversation: Invitation of Initial Local Stakeholder Consultation Meeting of "Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project"武安市通宝焦炉及干熄焦（CDQ）余热回收项目当地利益相关方研讨会邀请函

Dear Leon,
Many thanks for this invitation. The members of our secretariat will be unable to attend, but I would like to introduce you to our Chinese local expert, Mr. Yu Ran Dai (copied above). His input on this project should be solicited.
I also noticed that one of our Chinese NGO supporters was left off the list. Please also invite Mr. Shiping Chen (copied above) of the Global Environmental Institute (GEI). His input should also be solicited.
For your convenience I've attached a copy of our official NGO Supporter list.
Please remember to have a non-technical summary of the project activity, as well as a draft of the Sustainable Development Assessment Matrix available during the meeting for stakeholder discussion. If possible, also make the draft PDD available.
If stakeholders cannot attend the meeting in person, solicit electronic responses instead. During the consultation, go through the questions on Annex E of the developers manual document stakeholder responses and feedback. The outcomes of the initial consultation must be reported in detail (list of invited stakeholders, list of participants, comments received, responses provided, signed copies of the questionnaires, contact details of the participants, signed attendance list, and even a few photos if possible) and the report must be sent for approval to the Gold Standard Secretariat in a reasonable timeframe.
Hope this is clear.
Many thanks and best wishes for a productive and pleasant meeting,

Denise

The Gold Standard Foundation
Bäumleingasse 22
CH-4051 Basel
Tel 0041 (0)61 283 09 16
Fax 0041 (0)61 271 10 10
info@cdmgoldstandard.org

http://www.cdmgoldstandard.org
The Gold Standard - Premium quality carbon credits

Reply from GEI, local GS supporter

Subject: !SPAM: Re: Invitation of Initial Local Stakeholder Consultation Meeting of Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat
Date: Thursday, February 28, 2008 10:44
From: spchen@geichina.org
To: Leon Wang <l.wang@southpolecarbon.com>
Conversation: !SPAM: Re: Invitation of Initial Local Stakeholder Consultation Meeting of Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project

Dear Leon Wang:
Thanks for your invitation.
But I couldn't attend this stakeholder meeting since we don't have budget to afford this trip. And I don't have time attend it.
Good luck with your project!

Best wishes,
Chen Shiping, Program Officer of Energy and Climate Change
Global Environmental Institute
Tel: +86-10-6708 3192

* All original emails sent and received are available for DOE to check

Annex III Attendants List and Signatures

当地利益相关方研讨会签到表 Attendance List for Local Stakeholders' Consultation Meeting			
项目名称 Project Name	武安市通宝焦炉及干熄焦（CDQ）余热回收项目 Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project		
项目参与方 Project Participants	河北省武安市通宝焦化有限公司Hebei Wu'an Tongbao Coking Co., Ltd. 瑞士南极碳资产管理股份有限公司South Pole Carbon Asset Management Ltd.		
时间 Time	2008年2月28日上午8：00至12：00 8:00 a.m. —12：00 a.m., 28th February 2008		
地点 Location	河北 武安 白云宾馆 Baiyun Hotel, Wu'an, Hebei Province, China		
签到表 Attendants and Signatures			
姓名 Name	称呼 Salutation	公司/职位/职业/ Organization/Title/Occupation	签名 Signature
李 秀	先生,	通宝公司 财总 13832019029	[illegible]
郝晓鹏	先生,	职工代表, 13930025635	[illegible]
苗根昌	先生.	农民代表 13082120909	[illegible]
苗树田	村委会主任	15030001734	[illegible]
杨 路	女士	居民代表	[illegible]
任利华	先生	武安电视台 13483413486	[illegible]
[illegible]	女士	武安电视台 15831093596	[illegible]
[illegible]	先生	文丰钢铁	[illegible]
王[illegible]	先生	文丰钢铁电厂厂长	[illegible] 5179158
李[illegible]	先生	文丰公司 集团主任	[illegible]
张华民	先生	武安电视台	[illegible] 13012104020
[illegible]	先生	[illegible]村民	[illegible]

South Pole Carbon Asset Management Ltd
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Switzerland

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info@southpolecarbon.com
www.southpolecarbon.com

south pole

当地利益相关方研讨会签到表

Attendance List for Local Stakeholders' Consultation Meeting

项目名称 Project Name	武安市通宝焦炉及干熄焦（CDQ）余热回收项目 Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project
项目参与方 Project Participants	河北省武安市通宝焦化有限公司 Hebei Wu'an Tongbao Coking Co., Ltd. 瑞士南极碳资产管理股份有限公司 South Pole Carbon Asset Management Ltd.
时间 Time	2008年2月28日上午 8:00至12:00 8:00 a.m. – 12:00 a.m., 28th February 2008
地点 Location	河北 武安 白云宾馆 Baiyun Hotel, Wu'an, Hebei Province, China

签到表

Attendants and Signatures

姓名 Name	称呼 Salutation	公司/职位/职业/ Organization/Title/Occupation	签名 Signature

South Pole Carbon Asset Management Ltd.
Technoparkstrasse 1
8005 Zurich
Switzerland

Phone +41 44 633 78 70
Fax +41 44 63 14 23
info@southpolecarbon.com
www.southpolecarbon.com

Annex IV Sample of Questionnaire

武安市通宝焦炉及干熄焦（CDQ）余热回收项目
环境/社会影响核对表
Wu'an Municipality Tongbao Coking Oven and CDQ Waste Heat Recovery Project
Social/Environmental Impact Checklist

填写说明：
此表应被用于利益相关方研讨会并由利益相关方填写；
表格的第一栏指参照对象为：有或没有此项目，当地情况的对比；
请就您认为存在的环境/社会影响填写，或留空白表示您认为不存在相关的影响。

日期 2009年 7月 9日
年龄：28 性别：男 职业：[illegible]

环境影响	项目存在是否对当地造成影响？若是，请简单阐述	是否严重影响当地环境。是/否？为什么？
1. 项目工程、运营或项目结束是否对自然资源和生态系统造成影响，比如土地、水、森林、动物栖息地、原材料供应；特别是不可再生资源和稀少资源？	无	无。
2. 项目是否使用、存放、运输、排放或处理对环境有害物质（包括固体废物）？	无	无。
3. 项目是否向大气排放污染物，有潜在危险或有毒物质？	无	无。
4. 项目是否制造噪音、震动、光热源污染或电磁辐射？	无	无。
5. 项目是否因向土地、地上/地下水、海/河排放废物而导致污染？	无	无。
6. 项目周围是否有国际、国家或地区立法保护的生态保护区？是否受项目影响？	无	无。
7 项目附近是否有重要的或者脆弱的生态区域？比如湿地、河道	无。	无。

或河流、海滨地区、山地、森林或林地。是否受项目影响？	不	不
8. 项目是否影响附近受保护、重要的或脆弱的动植物品种的活动？比如繁殖、筑巢、觅食、休息、过冬或迁徙？	不	不
9. 附近是否有内陆、沿海、地下或海水收到项目影响？	不	不
10. 项目位置是否收自然灾害威胁而影响环境？比如地震、地陷、滑坡、侵蚀、洪水？或受极端大气威胁而影响环境，比如气温异常反常、大雾、烈风？	不	不
社会经济及卫生影响	**项目存在是否对当地造成影响？若是，请简单阐述**	**是否严重影响当地环境。是／否？为什么？**
11. 项目是否会使用、储存、运输、处理、生产或排放对人体有害的或可能引起健康风险的物质物料（包括固体废物）？	不	是
12. 项目是否排放污染或其他可能影响人体健康的有毒物质到大气？	不	不是
13. 项目是否制造可能影响人体健康的噪音、震动、光源、热能或电磁辐射？	不	不
14. 项目是否排放可能影响人体健康的污染到土地、地表水、地下水、海岸水或海水？	不	不是
15. 项目建设和运行期是否可能发生影响人体	不	不

健康的意外事件？	无	无
16. 项目会不带来社会变化？比如，人口，传统生活方式或就业？	无	有
17. 项目附近是否存在不受国际或当地政策保护，而又比较重要的风景，具历史人文价值的地点？这些地点会受到项目影响？	无	无
18. 附近是否有公共交通道路或设施因为项目的建设运行而变得拥挤或不便？	无	无
19. 项目是否处在一个容易被很多人看见的地方？	无	无
20. 项目附近是否有受到项目影响的住宅、花园、其他私人用地、工商业、娱乐、公众开放地区、社区设施、农田、森林、旅游点、矿区或采石场？	无	无
21. 项目附近是否有受到项目影响的人口高密地区或敏感的地区？比如医院、学校、宗教场所、社区设施？	无	无
22. 项目附近是否有受到项目影响的重要地区、高质或稀有资源区？比如地下、地上水源、森林、农业、海产、旅游和矿物区？	无	无
23. 项目位置是否容易受到地震、沉降、泥石流、腐蚀、洪水或其他极端气候的影响而成为社会经济问题？比如气温反常、大	无	无

雾、霾风等。

其他任何意见：

无其他意见。

Annex V Pictures of the Consultation Meeting