

Detailed Audit- and Inspection Plan – (Validation) AgCert Standard Projects in Mexico



Project Name: MX06-B-32

Name of the site: Palo Blanco II y Palo Blanco III

**Detailed Address: Rancho Palo Blanco s/n, Km. 10 Carretera del Armadillo al Sabino. Col. Rancho Palo Blanco.
C.P. 38471. Jaral del Progreso, Guanajuato.**

Owner of the farm/ animals: Grupo SOLES

Owner since:

Contact person: José Alfredo Sierra Parada

Date: February 4 of 2006

Audit in central office (length of time): 10:00

Audit on Site (length of time): 11:00

Explain the purpose of validation as a CDM project; conformity test vs. criteria set by the Marrakech Accords, requirement to get a project registered; Introduction of the audit team, Explanation of the next steps (reporting, public stakeholder process) and the programme for the day/the next days. Let the client introduce himself, and the project. Note all names and positions.

Project Planning	- investors - time schedule - permissions - risks for delays - location - technical information - service and maintenance - technology transfer / assembling - socio economic aspects	Chapter A and C	Project management
Question	Answer	Checked evidences	Missing documents
<p>➤ Does the project site contain all components described in the PDD:</p> <ol style="list-style-type: none"> 1. Lagoons / lagoons in operation (dimensions) 2. Barns 3. Buildings 4. Are any separators/segregators/filters available? <p>Please add a draw of the actual and future</p>	<p>No, neither Palo Blanco II nor Palo Blanco III has anaerobic lagoons.</p> <p>In Palo Blanco III the manure is discharged into a concrete basin where a solid separator is working, and the water that remains is dropped into an irrigation canal (dren).</p> <p>Palo Blanco II dropped the water with all the</p>	<p>We can't check the evidence, because we didn't have access to the farm.</p>	<p>There is not an official document of the leasing or sale of the middle land where it's going to be the biodigester.</p>

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<p>manure system (connections to the biodigester)(See example below)</p> <ul style="list-style-type: none"> ➤ Is the Farm leased? Contract from...to (date) 	<p>wastes into another irrigation canal directly.</p> <p>Also, the land where it's planned to built the biodigester it's not from their property and right now, they don't know how it's going to be the negotiations. For now, that "middle land" is used for a plantation.</p> <p>The farm is leased for 10 years, but the contract is renewal automatically.</p> <p>The information of number of animals and barns, is correct from the PDD.</p>		
<ul style="list-style-type: none"> ➤ When has the project started? Is there any evidence for this schedule available? 	<p>The construction has not begun. Mostly because they don't know how is going to be the negotiations for the land where it's going to be the biodigester.</p>		
<ul style="list-style-type: none"> ➤ Are all relevant permission obtained? Is the project in line with the regulation? 	<p>In the state of Guanajuato there is an Institute of Ecology (Instituto de Ecología del Estado de Guanajuato) that solicit a Licence called "Licencia de Funcionamiento" that according to the article 111 of the state law "Ley para la Protección y Preservación del Ambiente del Estado de Guanajuato" request that for the operation and functioning of the fixed sources of state jurisdiction that emit or could emit smells, gases or solid or liquid particles, there will be needed authorization of the Institute of Ecology of the State.</p> <p>This licence expired each year, so the farmer needs to make the renovation in each year. To obtain the renovation the farmer needs to fill a format called Cédula de Operación Anual.</p>		<p>They don't have any kind of licence or permission.</p>

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	<p>Generally when the license is granted there are not major problems to renovate it.</p> <p>There is another licence needed and is the authorization from CNA Comision Nacional del Agua (National Commission of water), this license just is needed when the farm discharge the manure in a water concentration like canals or rivers. The CNA required a payment each two months, the payment is accord to the quantity of the discharge.</p>		
<p>➤ Is the location of the project correctly described? Please ask for the GPS information.</p>	<p>No, the PDD describe only the address for the office. The farm is in another address: Rancho Palo Blanco s/n, Km. 10 Carretera del Armadillo al Sabino. Col. Rancho Palo Blanco. C.P. 38471. Jaral del Progreso, Guanajuato.</p>		
<p>➤ Is the name of the farm specific enough to describe the site?</p>	<p>Yes, in the region there are not other farms with the same or similar name, there are not problem to identify the farm.</p>		
<p>➤ Which animal race is produced?</p>	<p>The animals produced in this site are North America Genetics.</p>		
<p>➤ Is the documentation of Genetics available?</p>	<p>There are not any documents that show the kinds of animals are produced in the farm.</p>		
<p>➤ When was the letter of intend signed with AgCert?</p>	<p>November 29, 2004.</p>		<p>Ag cert has the original letter.</p>
<p>➤ When is construction start?</p>	<p>At the moment AgCert do not have a date to start the construction.</p>		<p>A schedule was required but AgCert do not have a document defined with the dates of start and finish of construction.</p>
<p>➤ When will be construction be finished?</p>	<p>At the moment AgCert do not have a date to finish the construction.</p>		
<p>➤ When shall the bio digester start operation?</p>	<p>Accord the schedule described in the PDD in the section D.4 (page 34).The begin of the construction is contemplated to 90-120 days after the farm aggregation (this is first step in the</p>		

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	developing of a CDM project).		
	This is the unique reference about begin of construction.		
➤ How many bio digester modules are planed?	In the middle of the two sites, one biodigester will be constructed.		
➤ How big will be each module?	Size (metres) 77.82 length X 28.08 width Depth: 7 m. Volume 15 296.29 cubic metres The volume showed in the PDD is wrong. Volume 2 095.713 cubic metres		
➤ Is a pumping system required?	When the land and the general condition of the farm will be evaluated AgCert will defined if a pumping system is required.		
➤ What will happen with the methane (e.g. flare, motor, heating)?	The project activity just includes the capturing and flaring of the biogas.		
➤ In what manner will the modules be operated (serial / parallel)?	NA		
➤ What will happen with manure after bio digesting?	The water of the biodigester will bi discharged into an irrigation canal (dren). The solids accumulated in the bottom of biodigester will be extracted each 2 or 3 years, the solid are property of the farmer and it can be used for an agricultural propose.		
➤ What kind of licences and obligations have to fulfil to operate the bio digester? Has the site a valid environmental license? Which one is available on-site?	For the construction or biodigester operation is not necessary any licence.		
➤ How long is the retention time?	There is no retention time now, because the waste water is dropped into an irrigation canal.		
➤ What kind of feed has been used in the last 12 months?	The feed used in this farm is formulated with Soy beam, corn, vitamins and minerals		

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➤ Is the feed characteristics documented?	There is not any document whit the feed formulation or a procedure documented that shows the specific quantities of each ingredient.		Feed formulation
Additionality	- management decision - financial additionality - project barriers - risks	Chapter B	Project management
Question	Answer	Checked evidences	Missing documents
➤ What would be the costs annually to continue the old AWMS including potential repairing and improvement and maintenance)?	The farm owner does have the exact cost of the AWMS, the main cost is the electricity consumed for the solid separator in Palo Blanco III and the maintenance.		
➤ Would a continuation with an open lagoon system really be an option for the mid term future or would the project owner have to switch to a different type of manure management anyway?	Right now, they are not using an open lagoon for the management of the manures. The basin system used in Palo Blanco III complies with the requirement of local authorities, Before the AgCert project the group had not considerate switch to other system.		
Baseline / Verification of data and assumptions	- baseline scenario - number of animals managed	Chapter B and E	Project management
Question	Answer	Checked evidences	Missing documents
➤ Are all lagoon lined?	All basin are constructed with concrete, there are not filtration. The dren has not protection to avoid the filtration.		
➤ According to law, do open lagoons have to be lined or what kind of regulations concern the operation of open lagoons (get in contact with competent authority, also)?	The CNA does not have a specific regulation about concrete basin, the main considerations made for the authority are that the lagoons have the capacity to receive all the material produced in the farm. In the case where the material of the lagoon is discharged in to a canal the authority just required that this canal be an authorized canal for this proposes.	In the CNA licence do not appear any specific requires.	

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<ul style="list-style-type: none"> ➤ Is the data provided for the baseline especially the number of heads supported by respective sources/ internal data? 	To keep actualized the inventory in this site make a manual daily report and other weekly. They use the software PIG GAIN to control the data.		
<ul style="list-style-type: none"> ➤ Has the baseline been determined using conservative assumptions – for example in the number of heads in the future? 	The base line was determined using the historical data of the inventory, the owner commented he has the plan to change this farm to only finisher operation. Actually in Palo Blanco II there are approximately 3,500 animals. In Palo Blanco III there are 5,000 animals approximately, but they have capacity of 7,500 animals in 11 barns. It has to be considerate for the assumption of the baseline emission.		
Monitoring Plan	- Realised and envisioned implementation - quality assurance procedures	Chapter D	Project management
Question	Answer	Checked evidences	Missing documents
<ul style="list-style-type: none"> ➤ Let the Site owner explain his responsibilities and the interaction with AgCert. (Operation, Monitoring, Maintenance and Documentation) 	The farm owner is aware to expire his responsibility, assign personnel for the maintenance, improve the system of basin. The space for the construction of the biodigester is right now an unsolved issue		
<ul style="list-style-type: none"> ➤ Is the training about operation, maintenance, monitoring and documentation conducted? If not, is there a schedule? 	At the moment of the visit this topic has been not communicated, AgCert is wating at least begin with the construction to plan these activities.		Schedule of training
<ul style="list-style-type: none"> ➤ Is the Operation & Maintenance Manual available on site? In the host country language? 	The training for Operation & Maintenance is planed when the construction will be completed.		
Environmental Issues	- EIA - Licenses	Chapter F	Project management
Question	Answer	Checked evidences	Missing documents
<ul style="list-style-type: none"> ➤ Is an EIA not necessary according to the legislation as stated in the PDD? 	In the statements of the Licence called “Licencia de Funcionamiento” there is where the state of Guanajuato ask or not for this study (EIA).		

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➤ Has the site a valid environmental license?	It's missing the "Licencia de Funcionamiento" according to the article 111 of the state law "Ley para la Protección y Preservación del Ambiente del Estado de Guanajuato".		Licencia de Funcionamiento.
➤ Does the environmental license include any restrictions or obligations?	It depends of the statements of the licence.		
Stakeholder Comments	- results/record of presentation - time schedule	Chapter G	Project management
Question	Answer	Checked evidences	Missing documents
➤ Who are the main stakeholders? ➤			Assistance list.
➤ How has the stakeholder process taken place?	AgCert invited stakeholders to 2 meetings, one in Aguascalientes, Ags. and another one in Salamanca, Gto. to explain the UNFCCC CDM process and proposed project activity.		
➤ Have appropriate media been used to invite comments by local stakeholders?	For the stakeholders meeting of Aguascalientes, Ags. AgCert made the announcement appeared in the newspaper "El Heraldo de Aguascalientes" on September 1, 2005. For the stakeholders meeting of Salamanca, Gto., AgCert made the announcement appeared in 2 newspapers "El Diario de Querétaro" on January 18, 2005. and "Correo, Guanajuato State", on January 18, 2005. AgCert delivered personal invitation to the farmer involved in the projects. All invitations were in Spanish language.		
➤ When and where was the stakeholder process conducted?	The stakeholders meeting for Aguascalientes took place on September 12, 2005 in the Hotel Best Western of Aguascalientes, Ags. Mexico. 16:00 hours. The stakeholders meeting for Salamanca, Gto. took place on the Hotel & Suites Aliana. Salamanca, Guanajuato, Mexico. January 25,		

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	2005, 16:00 hours.		
➤ Did the farmer attend the stakeholder meeting?	January 25, 2005 at 16:00 hours. at the Hotel & Suites Aliana. Salamanca, Gto.		
➤ Do you remember relevant given comments, complaints?			
Conclusions	Next steps	div	ALL
<p>Conclusions:</p> <p>PLUS: Give your immediate preliminary results and findings and explain next steps: reporting. Audit team provides report until 2 weeks after site visit.</p>			

Inspection of the farms as far as possible!

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Example for actual manure system

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Example for future manure system

At the moment is not defined the final location of the biodigester and the pumping system, the picture shows the possible location.