Surveillance Evaluation Summary Report

Roundtable on Sustainable Biomaterials

Global

PT Tasma Bioenergy Indonesia

SCS Certificate Code: SCS-RSB/PC-0031

Surabaya, Indonesia

Akhmad Rizky Tofan Hari Saputra

https://tasma-bioenergy.com

CERTIFIED	EXPIRATION
22 January, 2019	21 January, 2024

DATE(S) OF AUDIT
8-11 February, 2021
DATE OF LAST UPDATE
26 June 2021

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FOREWORD

SCS Global Services (SCS) is a certification body accredited by the Roundtable on Sustainable Biomaterials (RSB) to conduct evaluations of biofuel operators (CB Registration No. 592). Under the RSB/SCS certification system, participating operators meeting international standards of biofuel production can be certified as "sustainable," thereby permitting the Operator's use of the RSB endorsement and logo in the marketplace subject to regular RSB/SCS oversight.

SCS deploys interdisciplinary teams of natural resource specialists and other experts all over the world to conduct evaluations of biofuel operations. SCS evaluation teams collect and analyze written materials, conduct interviews with Participating Operator's staff and key stakeholders, and complete field and office audits of the operation(s) identified in the certification scope. Upon completion of the fact-finding phase of all evaluations, SCS teams determine compliance to the RSB Principles and Criteria.

Please Note: An RSB certificate itself does not constitute evidence that a particular product supplied by the certificate holder is certified to RSB standards. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required RSB claim is clearly stated on-product. For more information about the RSB, visit their website at www.rsb.org.

Organization of the Report

This report of the results of our evaluation is divided into two sections. Section A provides the public summary and background information that is required by the Roundtable on Sustainable Biomaterials. This section is made available to the general public and is intended to provide an overview of the evaluation process, the management programs, and policies applied to the Participating Operator, and the results of the evaluation. Section A will be posted on the RSB Participating Operators Database (http://rsb.org/certification/participating-operators/). Section B contains more detailed results and information for use by the Participating Operator.

CONTENTS

SECTION A – PUBLIC SUMMARY

1.0 GENERAL INFORMATION

1.1 Operator Information

1.1.1 Name and Contact Information

Organization name	PT Tasma Bioenergy Indonesia		
Operator Number	2104		
Contact person	Akhmad Rizky Tofan Hari Saputra		
Address	Office: 9Blv Office Tower, 27th Floor Unit 27A, Jl Mayjend Yono Suwoyo No 264, Pradah Kalikendal, Dukuh Pakis Surabaya 60225, East Java, Indonesia PT Tasma Bioenergy Biomass Boiler Facility and Warehouse (of rice husks): Jl Mojosari Km 50, Turi, Pesanggrahan, Kutorejo, Mojokerto, Jawatimur 61383 *N 7.57686111; E 112.53611111*	Telephone	+62 31 51163090; +62 8 21 3908 7776
		Fax	
		e-mail	akhmad.saputra@be-cis.com
		Website	https://tasma-bioenergy.com

1.2 Scope of Certificate

Please select one:	☐ **RSB EU RED**	☒ **RSB Global**
Please select boxes that apply:	☐ **Pre-assessment** ☐ **Initial Assessment** ☐ **Re-certification** ☐ **Follow-Up to NCs**	☐ **1st Annual Surveillance** ☒ **2nd Annual Surveillance** ☐ **3rd Annual Surveillance** ☐ **4th Annual Surveillance**
Scope as it appears on certificate:	Production of steam from waste materials First collector of waste and residues	
The scope assessment agrees with the scope under which the operator applied	☒ Yes	☐ No
If no, please explain:		

Note 1: If the scope is different, please contact SCS. *Note 2: Where the client uses external organizations (public or private) to provide utilities services, such as electricity, waste disposal, water, the auditor shall check that these organizations are run according to local requirements (i.e. the law) but these organizations will not be considered in scope of the audit. Therefore no on-site visits to these utility services are required.*	
Total workers covered by scope of certification:	58
Number of women workers	5

1.2.1 Determination of Extent of Audit

Total number of subsidiaries, branch offices, affiliated entities, external third parties contracted or otherwise engaged, operational structures, sites, facilities, processing and production units, and supply chain structures	1 industrial boiler 3 First Collectors (back-to-back traders) 59 Points of Origin
Participating Operator Risk Class	Low Risk
Disputes or prior Non-compliances	Previous audit NCs: 4 major – all closed 3 minor – all closed
Changes in scope since last evaluation	Added three dependent back-to-back traders as first collectors. The 3rd party storage facility has been removed from scope.
Total number of compliance claims	None

1.2.2 Standards Used

Applicable RSB-Accredited Standards

Title	Version
RSB Principles & Criteria	RSB-STD-01-001 V3.0
RSB Procedure for Traceability (Chain of Custody)	RSB-PRO-20-001 V3.2
RSB Standard for Participating Operators	RSB-PRO-30-001 V3.2
RSB Procedure for Risk Management	RSB-PRO-60-001 V3.2
RSB Procedure on Communication and Claims	RSB-PRO-50-001 V3.5
RSB GHG Calculation Methodology	RSB-STD-01-003-01 V2.3
RSB Standard for Advanced Fuels	RSB-STD-01-010 V2.2

All standards employed are available on the websites of the Roundtable on Sustainable Biomaterials (https://rsb.org/the-rsb-standard/working-with-the-rsb-standard/). Standards are also available, upon request, from SCS Global Services.

1.3 Sites in Scope

1.3.1 Industrial Facilities

Name of Facility	PT Tasma Bioenergy Indonesia
Type	☐ Agriculture Milling and/or ☐ Vegetable oil Extraction Fermentation ☐ Biofuel Production and/or Distribution ☒ Other, please explain here: Steam production
Location/City	Jl MOJOSARI Km 50, Turi, Pesanggrahan, Kutorejo, Mojokerto, Jawatimur 61383
Geographic location (*Latitude & Longitude)*	S 7.57686111; E 112.53611111
Start date of operations (initial start date)	June 1, 2018
Number of processing steps	1
Description of the product or the product component that the certification covers, including, if applicable, the specification of the mass of the certified component related to the total product.	Steam

1.3.2 Traders

1. Name	Mr. Aan
Location/City	Dusun Wonorejo, Simbaringin, Kutorejo, Mojokerto
Geographic location (*Latitude & Longitude)*	N/A no storage (back to back trader)
Material stored:	No Storage – rice husk back-to-back delivery
2. Name	Mr. Mualim
Location/City	Karang Diyeng, Kutorejo
Geographic location (*Latitude & Longitude)*	N/A no storage (back to back trader)
Material stored:	No Storage – rice husk back-to-back delivery
3. Name	PT. Bintang Anugrah Kita (BAK)
Location/City	Jl. Raya Mojjosari, Pacet Km 5.6, Sampangagung. Kec. Kutorejo, Mojokerto 61383
Geographic location (*Latitude & Longitude)*	N/A no storage (back-to-back trader)
Material stored:	No Storage – rice husk back-to-back delivery

1.3.3 Points of Origin

Number of Points of Origin in Scope	59
Number of Points of Origin providing more than ten metric tons per month	1
Number of Points of Origin Assessed on a Sample Basis during This Audit	1
List of Points of Origin Assessed on a Sample Basis during This Audit	1
1. Name	PT Lumbung Padi Indonesia/Wilmar Rice Mill
Location/City	Jl Mojosari Kejapanan Km 7, Desa Jasem, Ngoro, Jasem, Mojokerto, Jawa Timur 61385
Geographic location (*Latitude & Longitude)*	-7.531903, 112.602319
Material provided:	Rice Husk

1.4 GHG Intensity

Steam Producer			
The total GHG emissions in CO_2 equivalent for steam produced from waste rice husk are presented based on a lifecycle assessment.			
Final Product	**Steam**	**GHG:**	**518.9 Mt CO_{2eq}**
		Emission reduction compared to fossil scenario	**79.3%**

2.0 EVALUATION PLANNING & PROCESS

2.1 Audit Team

Auditor Name:	Robert Earley	**Auditor role**:	Lead Auditor

Qualifications: Robert Earley is a staff auditor and verifier at SCS Global Services. He is a certified auditor of RSB, ISCC and Bonsucro certifications, and a certified verifier of the California Low Carbon Fuel Standard, and has been trained in ISO 9001:2015 auditing. Additionally, he is currently an expert consultant on UN, EU, charitable foundation and NGO projects focused on sustainable transportation and air pollution. Prior to becoming an auditor, Robert was the Transport Program Manager of Manila-based Clean Air Asia, promoting clean and efficient freight and logistics across Asia, and before that was the Director of the Clean Transportation Program at the Innovation Center for Energy and Transportation (iCET), which developed standards for lifecycle GHG emissions assessment for biofuels in China, and which became the first member of the RSB in China. He is currently on the board of the Beijing Energy Network as well as the China Carbon Forum. Mr. Earley, who has lived in China since 2005 and is fluent in Mandarin Chinese, studied environmental science at the University of Calgary and Urban and Regional Planning at the University of Waterloo in Canada.

Auditor Name:	Justin Richter	**Auditor role**:	GHG Verifier
Qualifications: Dr. Richter is a Life Cycle Analysis practitioner and Supply Chain researcher in the areas of biofuels, renewable energy, advanced products, and social impacts. He holds GHG certification from ISCC. Dr. Richter has received a Ph.D. in Environmental and Ecological Engineering from Purdue University (West Lafayette, IN, USA).			

2.2 Evaluation Schedule and Extent of Audit

2.2.1 RSB Audit types Matrix

	Low risk class	**Medium risk class**	**High risk class**
Certificate validity	5 years	3 years	2 year
Main audit	Every 5 years	Every 3 years	Every 2 year
Surveillance audit	Annual	Annual	Annual

2.2.2 Methodology and Strategies Employed

SCS deploys interdisciplinary teams with expertise in agriculture, ecology, forestry, social sciences, natural resource economics, and other relevant fields to assess an Operator's compliance to RSB standards and policies. Evaluation methods include document and record review, implementing sampling strategies to visit a broad number of site and facility types, observation of implementation of management plans and policies, and stakeholder analysis. When there is more than one team member, team members may review parts of the standards based on their background and expertise. On the final day of an evaluation, team members convene to deliberate the findings of the assessment jointly. This involves an analysis of all relevant site observations, stakeholder comments, and reviewed documents and records. Where consensus between team members cannot be achieved due to lack of evidence, conflicting evidence or differences of interpretation of the standards, the team is instructed to report these in the certification decision section.

2.2.3 Evaluation Itinerary and Activities

Time	Element/Activity	Personnel
Day 1 8 February 2021	**PT Tasma Bioenergy Indonesia,** Jl MOJOSARI Km 50, Turi, Pesanggrahan, Kutorejo, Mojokerto, Jawatimur 61383, Indonesia **Remote audit via MS Teams**	
8:00 a.m.	**Opening Meeting and General Requirements** – Introduction to certification program and assessment process to on-site staff – Review of scheduled activities – Review of RSB Procedures; confirm roles, responsibilities and processes – Confirmation of scope of products to be certified – Clarification of all suppliers; i.e. transportation, storage – Client to outline production process and overall process flow – Review site map(s) – Update from client and any social or environmental changes to the operation – Follow up on implementation of any corrective action plans from desk audit or previous initial field audit	Management
	Document Review: Participating Operator/ Standards Checklist – Review of training procedures and records – Review of Grievance Mechanism – Review of traceability method and implementation – Analysis of material balances and records – Review of records – Review of GHG inputs – Communications and Claims – Requirement for Advanced Fuels/ Advanced Products	Management
1:00	**Lunch Break**	
2:00	**Document Review: Compliance with Principles and Criteria**	Management
4:45	**Report Writing** – Auditor(s) take time to consolidate notes and confirm audit findings	
	End of Day 1	

Day 2 **11 Feb 2021**	**Point(s) or Origin – PT Lumbung Padi Indonesia/Wilmar Rice Mill** **Remote audit via teams/Zoom**	
8:00 a.m.	**Opening Meeting and General Requirements** – Introduction to certification program and assessment process to on-site staff – Confirm roles, responsibilities and processes – Confirmation of scope of products to be certified	Management Point of Origin staff

9:00	**Document Review: Participating Operator/ Standards Checklist** − Review of eligibility of material − Review of process flows and feasibility of production − Review of declarations of outgoing material − Review of feedstock specific requirements, if applicable	Management Point of Origin staff
11:00	**Report Writing** Auditor(s) take time to consolidate notes and confirm audit findings	Auditor
11:30	**Findings** − Presentation of all non-compliances and opportunities for improvement	Management Point of Origin staff
Day 3 **23 Feb 2021**	**Back-to-back trader: Mr. Mualim** **Remote audit via teams/Zoom**	
8:00 a.m.	**Opening Meeting and General Requirements** − Introduction to certification program and assessment process to on-site staff − Confirm roles, responsibilities and processes − Confirmation of scope of products to be certified	Management Trader staff
	Document Review: Participating Operator/ Standards Checklist Review of documentation and trading practices	Management Trader staff
9:45	**Findings** − Presentation of all non-compliances and opportunities for improvement	Management Trader staff
Day 4 **26 Feb 2021**	**Closing meeting – PT Tasma** **Remote audit via Microsoft Teams**	
9:00 a.m.	**Closing Meeting** − Review of audit and presentation of all non-compliances and opportunities for improvement − Opportunity for questions	Management

2.3 Documentation Submitted by Operator

H#1 GHG Calg [month] 2020.xls (12 documents)	Application Form Tasma Bioenergy.pdf
O&M Organization.xlsx	Grievance mechanism training photos (2020-04-02 to 2020-04-05) for internal and external parties
BECIS Bioenergy organization org chart	Tasma Grievance Mechanism 2020 07 07.pptx
Tasma RSB Chart Responsibilities.pdf	Hazardous waste handling training photos
17-07-05-PO Agreement (1).pdf	RSB_Presentation_Partner_HI.pdf
Tasma Environment and Social Management System report	Safety Training_Tasma.pdf
Risk assessment worksheet 18/11/2020	HAZARD IDENTIFICATION AND RISK ASSESMENT LOADING RICE HUSK AT PT.LUMBUNG PADI INDONESIA (LPI)
PO 076 Rice Husk 1000MT_WPI.pdf	PO 179 Rev01 Rice Husk_Mualim.pdf
PO 193 Rev01 Rice Husk_Aan.pdf	Raw Material Supply Agreement-Wilmar Padi Indonesia
Rice husk ash disposal plan 2020 04 06.pdf	Tasma EIA Heineken #1 – June 2020.pdf
Tasma water management plan	Boiler emission analysis
Water analysis	Ambient air analysis
Telehandler emission analysis	Ambient noise analysis
2020 Steam Production	Biomass logbook 2020
Delivery Receipt H1 Biomass	Biomass receiving process.pdf
Biomass Supply Process.pdf	PT Tasma Surveillance checklist RSB Global
RSB Screening Tool Tasma – 210121	Self Risk Assessment

2.4 Evaluation of Management System

2.4.1 Evaluation of RSB compliance claims and use of RSB trademarks

Does Operator use RSB trademarks on off-product or on-product claims?	None

2.5 Stakeholder Consultation Process (for Main audits)

In accordance with SCS and RSB protocols, consultation with key stakeholders is an integral component of the evaluation process. Stakeholder consultation takes place prior to, concurrent with, and following field evaluations. The primary purpose of such consultation is to solicit input from affected parties as to the strengths and weaknesses of the Participating Operator's management system and operations, relative to the standard, and the nature of the interaction between the company and the surrounding communities.

Principal stakeholder groups are identified based upon the certification scope of the participating operator.

Stakeholder consultation activities are organized according to the requirements of the RSB. The table below summarizes the major comments received from stakeholders and the assessment team's response. Where a stakeholder comment has triggered a subsequent investigation during the evaluation, the corresponding follow-up action and conclusions from SCS are noted below.

3.0 RISK ASSESSMENT RESULTS

Highest Risk Class will Apply for the Participating Operator

Site	Based on the most recent self-risk assessment the PO's risk assessment results are (The number):	Corresponding risk class (low, medium, high):	Date of risk assessment (must be no older than 3 months from the audit date)	Auditor's assessment of Operator's risk
PT Tasma	9	Low	8 Feb 2021	Agreed

4.0 RESULTS OF THE EVALUATION

4.1 Process of Determining Compliance

4.1.1 Structure of Standard and Degrees of Non-Compliance

RSB-accredited biofuel standards consist of a three-level hierarchy: the principle, the criteria that correspond to that principle, and then the performance indicators that elaborate upon each criterion. Consistent with SCS Sustainable Biofuels Program evaluation protocols, the team collectively determines whether or not the subject operation is in compliance with every applicable indicator of the relevant sustainable biofuel standard. Each non-compliance must be evaluated to determine whether it constitutes a major or minor non-compliance at the level of the associated criterion or sub-criterion. Not all indicators are equally important, and there is no simple numerical formula to determine whether an operation is in non-compliance. The team therefore must use their collective judgment to assess each criterion and determine if the Operator is in compliance. If the Operator is determined to be in non-compliance at the criterion level, then at least one of the applicable indicators must be in major non-compliance.

4.1.2 Interpretations of Findings

Major Non-compliances, either alone or in combination with non-compliances of other applicable indicators, result (or are likely to result) in a fundamental failure to achieve the objectives of the relevant RSB Criterion. These non-compliances must be resolved or closed out before a certificate can be awarded. If Major NCs arise after an operation is certified, the timeframe for correcting these non-compliances is typically no more than three months. Certification is contingent on the operator's response to the NCs within the stipulated time frame.

Minor Non-compliances are typically limited in scale or can be characterized as an unusual lapse in the system. Most minor NCs are the result of a non-conformance at the indicator-level. Non-compliances must be closed out within a specified time period of award of the certificate.

Opportunity for Improvement is an observation made which does not fully impact compliance but could potentially affect the PO's ability to comply with RSB requirements in the future.

4.1.3 Major Non-compliances

☐	No major NCs were issued to the Operator during the evaluation. Any minor CARs from previous surveillance audits have been reviewed and closed prior to the issuance of a certificate.
☒	Major NCs were issued to the Operator during the evaluation, which have all been closed to the satisfaction of the audit team and meet the requirements of the standards. Any minor CARs from previous surveillance audits have been reviewed and closed prior to the issuance of a certificate.
☐	Major NCs were issued to the Operator during the evaluation and the Operator has not yet satisfactorily closed all major NCs.

4.1.4 Non-compliances and Current Status

Summary of Non-compliances and Current Status				
Non-compliance Number	**Type of Non-compliance**	**Relevant RSB Standard & Indicator No.**	**Summary of Finding and Evidence Collected**	**Status of Non-compliance (Open/Closed)**
2021-1	Minor	Checklist 1.4, 1.6, 1.8 3.2, 3.4, 5.1	a) Although points of origin are individually defined with informal name and GPS coordinates, Chain of Custody system does not provide all information on points of origin including legal name of point of origin, physical address and phone number or formal agreement to follow RSB standards and allow auditor access. b) while the first collectors Mr. Mualim and Mr. Aan provide materials on a back-to-back basis, and have no storage, a quarterly record should be kept for each, which was not available at time of audit, and PoOs should agree that auditors may visit on site to ensure conformity with RSB standards. Minor because data is available in principle, but not systematically organized. In practice, auditors are allowed to visit PoOs. ESMP has not been updated to completely address this risk.	Open
2021-2	Major	Checklist 2.2	The training system in place is not adequate for preparing the PO to implement the chain of custody system fully. Closure evidence: Certificate of RSB training provided including all chain of custody staff, and plan for training upstream suppliers in place and ready for implementation through the year.	Closed – 26 May 2021.
2021-3	Minor	Checklist 1.9	Auditor disagrees with risk assessment: scope includes suppliers - rice husk points of origin, which indicates medium risk for the indicator, but overall risk is still low. In practice, rice hust producers are treated as in scope, so there is no significant change on the ground. Closure evidence: updated risk assessment submitted during audit	Closed – 8 February 2021

5.0 CERTIFICATION DECISION

Certification Recommendation		
For Surveillance Audits: Operator is to continue as an RSB certified Participating Operator subject to the minor non-compliances stated in Section 4.2.5.		**Yes** ☒ **No** ☐
The SCS evaluation team makes the above recommendation for certification based on the full and proper execution of the SCS Responsible Biofuels Program evaluation protocols. If certification is recommended, the Operator has satisfactorily demonstrated the following without exception:		
Operator has addressed any Major NC(s) assigned during the evaluation.		**Yes** ☒ **No** ☐ **No Major NCs issued** ☐
Operator has demonstrated that their system of management is capable of ensuring that all of the requirements of the applicable standards are met over the sites and facilities covered by the scope of the evaluation.		**Yes** ☒ **No** ☐
Operator has demonstrated that the described system of management is being implemented consistently over the sites and facilities covered by the scope of the certificate.		**Yes** ☒ **No** ☐
Comments and/or details of any issue which was difficult and/or impossible to evaluate:		Due to strict COVID-19 travel restrictions in Indonesia at the time of the audit, it was difficult to arrange interviews with small points of origin in rural areas. Recommend follow up in next surveillance audit.
To be completed by Certification Decision-Making Entity	**Technical Review by:** If different to decision-maker	Matt Rudolf
	Certification decision:	Continue certification under the RSB Global Scheme according to the standards listed in Section 1.2.2
	Certification decision by:	Robert Earley
	Date of decision: For initial or continued certification	26 June 2021
	Surveillance schedule:	Surveillance audit must occur by 11 February 2022. Notes: