

CONFIDENTIAL

IDB Invest Loan Number 11984-02

IFC Loan Number 42138

Exhibit B:

ENVIRONMENTAL AND SOCIAL COMPLIANCE REPORT

(See Section 1 (Definitions) of this Annex 2)

FORM OF BORROWER'S ENVIRONMENTAL AND SOCIAL REPORT

[SEE ATTACHED]

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ENVIRONMENTAL AND SOCIAL COMPLIANCE REPORT (ESCR)

Klabin S.A.

PUMA Pulp Mill

Forest plantations

Transport operations

Port operations

Brazil

Reporting Period: (month/year) through (month/year)

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Report completion date: (day/month/year)

• INTRODUCTION

• **The Annual Environmental and Social Report**

The Lenders Common Terms Agreement requires Klabin to prepare a comprehensive Environmental and Social Compliance Report for the PUMA facilities and related operations. This document comprises the format for environmental and social performance reporting for the period(s) required in the Common Terms Agreement. The Annual report informs the Lenders about the environmental and social state of the project. This format may be revised from time to time to account for additional performance reporting requirements.

Scope of the Environmental and Social Compliance Report is i) PUMA Pulp Mill and associated facilities, ii) the mill's port terminal in Paranaguá port, iii) wood supply operations of the pulp mill and iv) transport operations.

It is important to mention that, based on the project's location and nature, some processes/actions/outputs from the project cannot be distinguished from (and/or cannot be specifically associated to) PUMA I (original project) and/or PUMA II (expansion). For that reason, during PUMA II construction and before its completion, the following actions need to be conducted by the Borrower when preparing and submitting an ESCR:

- **Before PUMA II completion**
 - Klabin E&S team leading the report delivery for PUMA I would only respond/complete the sections related with PUMA I; and
 - Klabin E&S team leading the report delivery for PUMA II would only respond/complete the sections related with PUMA II construction (without references to the Paranaguá port operations, which are being considered as part of the scope of PUMA I).

- **After PUMA II completion**

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- Every section should be completed and submitted considering PUMA facilities as a whole (PUMA I + PUMA II), which also encompasses the Paranaguá port operations.

- **Preparation Instructions**

The following points should assist you in completing this form. Please be descriptive in your responses and attach additional information as needed.

- The Common Terms Agreement requires designated Klabin personnel to complete and submit environmental and social monitoring reports in compliance with the reporting intervals stipulated in the Common Terms Agreement.
- Klabin must report qualitative and quantitative project performance data according to the Common Terms Agreement for the environmental and social monitoring parameters included in this report format.
- Reporting language is English.
- The main purpose of completing this form is to provide the following information:
 1. Environmental and social management system (organization, plans, programs and activities)
 2. Occupational health and safety (OHS) performance
 3. Significant environmental and social events
 4. General information and feedback
 5. Reports to illustrate compliance with host country regulations and international environmental policies and guidelines and binding/contractual commitments
 6. Social and economic management / Community development
 7. Data interpretation and corrective measures
 8. Progress on implementing the Environmental and Social Action Plan (ESAP) as agreed in the Common Terms Agreement.

If there were any exceeding of environmental permits' conditions or any exceeding of other conditions agreed in the Common Terms Agreement, please report further in Chapter 7, Data interpretation and corrective measures.

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• **Agent's Contact Information**

If you have any questions regarding this Report or wish to discuss completion of the Environmental and Social Compliance Report please contact the following persons in IFC and IDB Invest:

Name: Irene Angeletti

Telephone Number: +1 202 458 8921

Email: iangeletti@ifc.org

Name: Ernani Pilla

Telephone Number: +1 202 256 9755

Email: ERNANIP@iadb.org

• 1 ENVIRONMENTAL AND SOCIAL MANAGEMENT

1.1 Report Preparer

To be completed by Klabin's authorized representative	<p>Name and Title:</p> <p>Francisco Cesar Razzolini – Executive Director</p> <p>Phone: +55 (11) 3046-5975</p> <p>Email: fcrazzolini@klabin.com.br</p> <p>Name and Title:</p> <p>Marcos Paulo Conde Ivo – Chief executive</p> <p>Phone: +55 (11) 3046-9912</p> <p>Email: mivo@klabin.com.br</p>
Klabin company information	<p>Office physical address: Av. Brg. Faria Lima, 3600 - Itaim Bibi, São Paulo - SP, 04538-132</p> <p>Web page address: www.klabin.com.br</p>

I certify that the data contained in this Environmental and Social Compliance Report completely and accurately represents Klabin operations during this reporting period. I further certify that analytical data summaries¹ incorporated in Chapter 5 are based upon data collected and analysed in a manner consistent with the monitoring guidance presented in the IFC general environmental, health and safety guidelines² and IFC EHS guidelines for pulp and paper mills³.

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Klabin Employee Name

Signature

¹Raw analytical data upon which summaries are based should not be submitted with this Environmental and Social Compliance Report but must be preserved by PUMA/Klabin and presented to the Facility Agent upon demand.

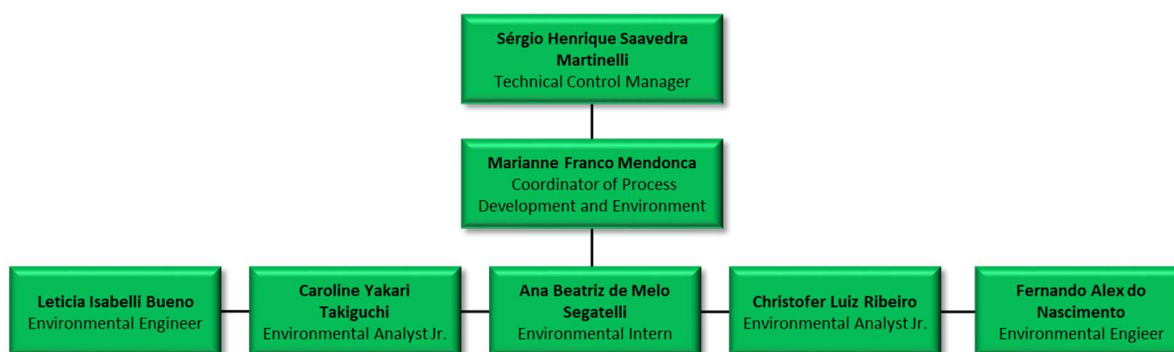
²<https://www.ifc.org/wps/wcm/connect/29f5137d-6e17-4660-b1f9-02bf561935e5/Final%2B-%2BGeneral%2BEHS%2BGuidelines.pdf?MOD=AJPERES&CVID=jOWim3p>

³<https://www.ifc.org/wps/wcm/connect/2310ee34-7432-4546-8898-03372c9b51e2/Final%2B-%2BPulp%2Band%2BPaper%2BMills.pdf?MOD=AJPERES&CVID=jkD2FLw>

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1.2 Environmental, Social and Health and Safety Responsibility Chart

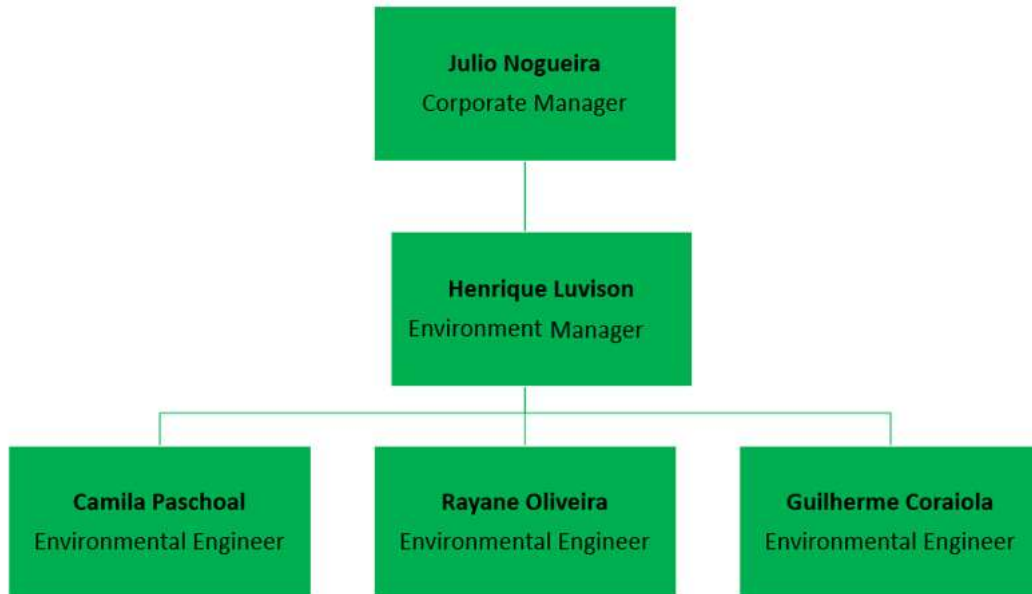
Please name the individuals in the company who hold responsibility for environmental, social and health and safety performance (e.g. Environment Manager, Occupational Health and Safety Manager, Community Relations Manager) and give their contact information (Name, Address, Telephone Number, Fax Number, E-mail Address). Include Team Chart/Organogram in Annex.



<p>Technical Contro and Environmentl Manager Sergio Henrique Saavedra Martinelli Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: +55 (42)99978-5468 E-mail Address: smartinelli@klabin.com.br</p>
<p>Coordinator of Process Development and Environment Marianne Franco Mendonca Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: +55 (42) 99141-5011 E-mail Address: marianne.mendonca@klabin.com.br</p>
<p>Environmental Analyst Caroline Yukari Takiguchi Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: (42) 99123-6904 E-mail Address: caroline.employer@fornecedores.klabin.com.br</p>
<p>Environmental Analyst Leticia Isabelli Bueno Address: Faz. Apucarana Grande s/n – Ortigueira – PR Telephone Number: +55 42 99161-6575 E-mail Address: leticia.bueno@klabin.com.br</p>

Environmental Engineer Fernando Alex do Nascimento Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: (42) 991387507 E-mail Address: fernando.nascimento@klabin.com.br
Environmental Analyst Christofer Luiz Ribeiro Environmental Analyst Jr. Address: Faz. Apucarana Grande s/n – Ortigueira - PR E-mail Address: christofer.employer@fornecedores.klabin.com.br
Environmental Intern Christofer Luiz Ribeiro Environmental Analyst Jr. Address: Faz. Apucarana Grande s/n – Ortigueira - PR E-mail Address: ana.segatelli.ea@klabin.com.br

Organogram – PUMA II Project



Corporate Manager Julio Nogueira Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: (42) 99973-4445 E-mail Address: julio@klabin.com.br
Environment Manager Henrique Luvison Address: Faz. Apucarana Grande s/n – Ortigueira - PR

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Telephone Number: (42) 99919-9364 E-mail Address: hlsilva@klabin.com.br
Environmental Engineer Camila Paschoal Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: (42) 99158-9139 E-mail Address: camila.paschoal@klabin.com.br
Environmental Engineer Rayane Oliveira Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: (42) 99153-0416 E-mail Address: rayane.ioliveira@klabin.com.br
Environmental Engineer Guilherme Coraiola Address: Faz. Apucarana Grande s/n – Ortigueira - PR Telephone Number: (42) 99135-3352 E-mail Address: guilherme.coraiola@klabin.com.br

SOCIAL TEAM

RESPONSIBILITY AND RELATIONS WITH THE COMMUNITY



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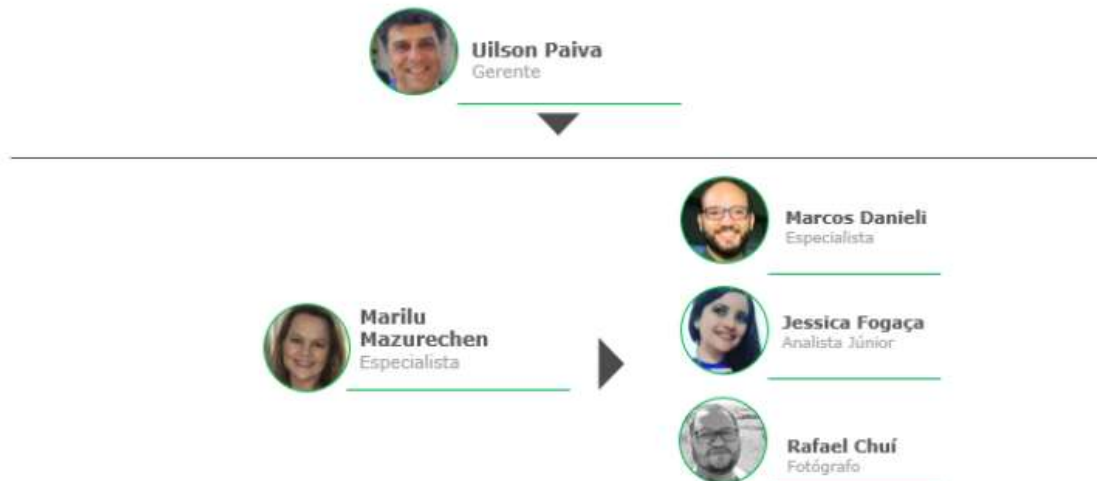
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PUMA II – COMMUNICATION, SOCIAL RESPONSIBILITY AND RELATIONS WITH THE COMMUNITY



BASIC INDIGENOUS ENVIRONMENTAL PLAN – PBAI



1.3 Summary of Current Status

Describe the project status and level of business activity. Describe any significant changes since the last 113717.0219127 WAS 330931v15

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report in the company or in day-to-day operations that may affect environmental and social performance. Describe any management initiatives (e.g. ISO 14001, ISO 9001, OHSAS 18001, FSC or equivalent Quality, Environmental and Occupational Health and Safety certifications).

In case the Project is still under construction the inclusion of a short narrative on overall physical progress for the reporting period: i) engineering; ii) procurement, iii) civil construction. Use graphics/charts e.g. general progress curve, actual/estimated manpower needs, etc.

PHASE I

- In the month there were no new start-ups from process plants or other facilities. The period was used for process optimization, production curve growth, quality adjustments and backlogs elimination. However, there is a highlight in MP27, which produced the light weights of 100 and 90 g/m² with good performance, after adjustments in the vacuum system that had been limiting the production of these low weights. With this the condition of PA (Provisional Acceptance) was reached;
- The advance in the period shows an overall realized of 97.77% against the planned of 98.10%, representing a negative deviation of -0.33%, compared to a negative deviation from the previous month of -0.26%;

	Geral	Construção Civil	Montagem Eletromecânica
Planejado:	98,10%	98,33%	97,63%
Realizado:	97,77%	98,22%	97,17%
Desvio:	-0,33%	-0,11%	-0,46%
Desvio anterior:	-0,26%	-0,17%	-0,75%

Considering the processes and facilities necessary for paper production:

- The overall advance in the period was higher than planned, with an overall realized of 99.30% against the planned of 99.51%, representing a negative deviation of -0.21%, compared to a negative deviation from the previous month of -0.34%. The electromechanical assembly achieved a better performance with an advance of 99.96% against a planned of 100.00%, representing a negative deviation of -0.04% against a negative deviation from the previous month of -0.12. The construction activity is finished.

	Geral	Construção Civil	Montagem Eletromecânica
Planejado:	99,51%	100,00%	100,00%
Realizado:	99,30%	100,00%	99,96%
Desvio:	-0,21%	0,00%	-0,04%
Desvio anterior:	-0,34%	-0,03%	-0,12%

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- The Biomass Gasification Plant initiated the commissioning plan, which will extend until the general shutdown of February 22;
- Sulphuric Acid Plant and the Solid Waste Treatment Centre are still in the assembly phase;
- The focus continues on the growth curve of production of the productive islands, finishing and elimination of backlogs;
- To date, PA certificates have been issued for the plants:
 - New 5th Effect;
 - Capacity Increase of Bleached Short Fiber Line;
 - Chlorine Dioxide;
 - Capacity increase of MC 25 and 26 machines;
 - Water Treatment Plant.
- They have already reached the condition of PA, whose certificates are in the flow of signatures, the following plants
 - CDR 2;
 - Evaporation;
 - White Liquor Plant;
 - Wood Preparation;
 - Kraft FiberLine;
 - Effluent Treatment Plant;
 - Boiler Water Treatment Plant ;
 - Complementary Effluent Treatment Plant;
 - Energy Distribution;
 - Auxiliary Buildings;
 - Container Terminal;
 - Log Yard and MP27.
- At the end of the month the number of registered workers was 1,789, against 2,833 in the previous month;
- In the safety of work, no ACAs and ASAs were recorded, against 2 and 2 of the previous month, the best results so far. The ACA/ASA frequency rate was zero, against November 8.5, reaching 8.24 in the year. The goal of the project is to be below 8.5 in this indicator;
- In the management of the pandemic, we did not record a positive case among the number of workers in the month, against 2 in the previous month. At the end of the month there was no worker away.

- Engineering: The engineering activities of suppliers as planned continue to be under development, with the exception of the Sulphuric Acid Plant area that is advancing below forecast;
- Manufacturing and Transportation: Manufacturing/Transportation activities of suppliers as planned continue to be under development, with the exception of the Sulphuric Acid Plant that is advancing below forecast;
- Construction: The construction activities of suppliers as planned continue to be in development, with the exception of the areas of the Solid Waste Treatment Centre and Sulphuric acid plant, which present advances below the forecast;
- Electromechanical Assembly: Electromechanical Assembly activities of suppliers as planned, with the exception of the Recovery Boiler areas are still under development; Force Boiler, with the implementation of improvements in the biomass feeding system; and Sulphuric Acid Plant, which present advances below the forecast;

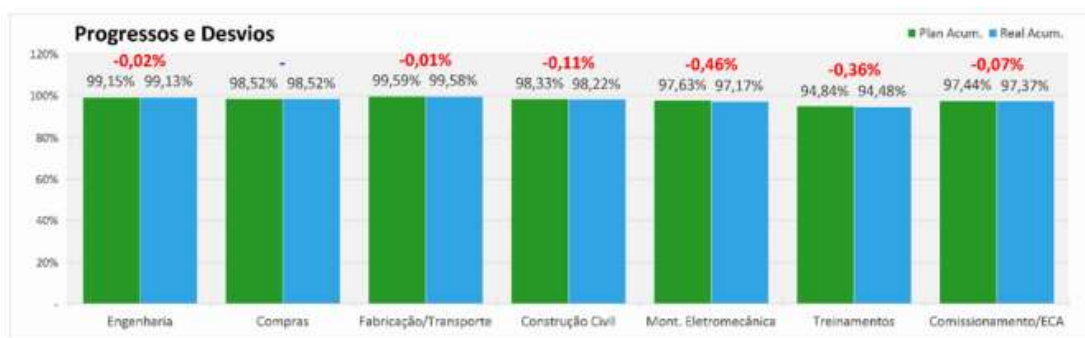
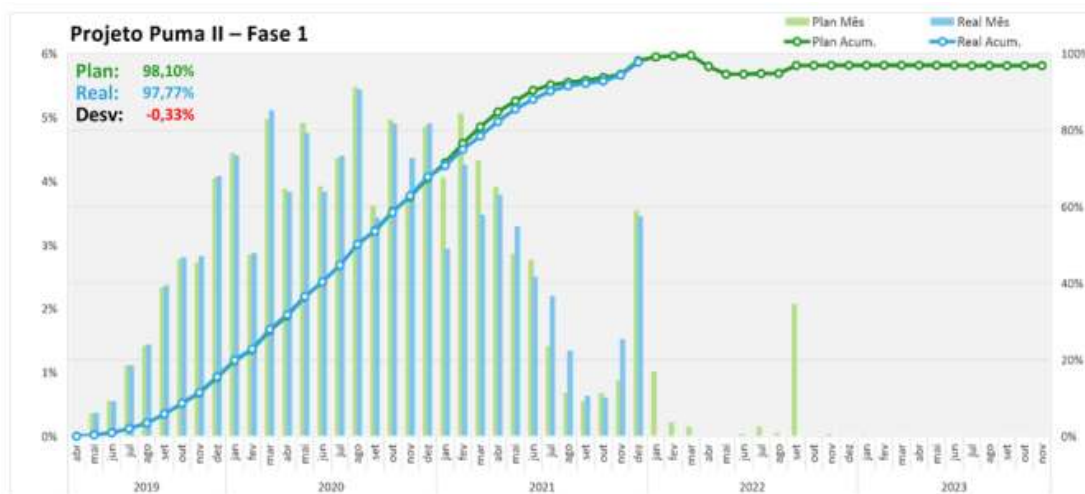
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- Commissioning: The commissioning/ECA activities of suppliers are still under development, at the moment, below plan, especially in the areas of Power Distribution, which awaits the start-up of Gasification and Sulphuric Acid Plants.
- Training: The training activities of suppliers continue to be under development, at the moment, below plan, with emphasis on Turbogenerator and Sulphuric Acid Plant;

OVERALL CURVE AND PROJECT PROGRESS MAP - PUMA II (Phase I)



ABSOLUTE DEVIATION MAP

Area	Weight	Deviation	Weighted Deviation
Puma Project II – Phase 1	100,0%	-33,00%	-0,33%
Power Boiler	4,8%	- 3,02%	- 0,146%
WSA Plant	2,3%	- 4,47%	- 0,101%
BOP Complementary	0,5%	- 4,70%	- 0,021%
External Container Yard	3,3%	- 0,48%	- 0,016%
Solids Residues Treatment Plant	0,5%	- 3,21%	- 0,015%
BOP Klabin – Rolls Storage and Auxiliaries	2,4%	- 0,50%	- 0,012%

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Buildings			
BOP Klabin – Earthwork, Log Yard and Streets	1,6%	- 0,50%	- 0,008%
Upgrade MC25 and MC26	1,5%	- 0,50%	- 0,007%
Turbogenerator	1,0%	- 0,39%	- 0,004%
Recovery Boiler	10,0%	- 0,04%	- 0,004%
Evaporation Plant	6,8%	- 0,04%	- 0,003%
Power Distribution	1,2%	- 0,13%	- 0,002%
BOP – Package 1	0,1%	- 0,21%	-
Wood Yard	5,0%	-	-
White Liquor Plant	5,5%	-	-
Water Treatment	0,4%	-	-
Paper Machine 27	22,3%	-	-
Gasification Feed System	0,5%	-	-
Fiberline 1 – Capacity Increase	1,5%	-	-
Fiberline	7,5%	-	-
ETE 1 – Complementary Tertiary Treatment	0,3%	-	-
Effluent Treatment	3,0%	-	-
Chlorine Dioxide Plant	0,4%	-	-
BOP- Turbogenerator	2,5%	-	-
BOP – Pipe Rack	4,6%	-	-
BOP – Package 2	0,8%	-	-
BOP – Industrial Restaurant	0,2%	-	-
Boiler Water Treatment Plant	1,4%	-	-
Balance of Plant	8,6%	-	-
5º Effect A – Evaporation Plant I	0,5%	-	-
Dedicated Systems	0,1%	0,13%	-

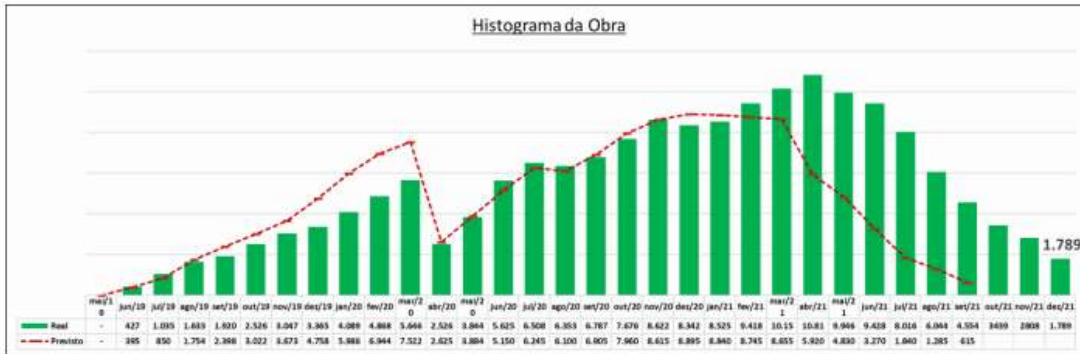
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PIMS	0,1%	0,19%	-
Gasification	2,0%	0,05%	0,001%
Distributed Control System	0,6%	0,21%	0,001%

HISTOGRAM OF THE WORK



PHASE II

- The advance in the period was higher than planned, with an overall performance of 13.35% against the planned of 12.45%, representing a positive deviation of 0.90%;

	Geral	Construção Civil
Planejado:	12,45%	12,95%
Realizado:	13,35%	15,20%
Desvio:	0,90%	2,25%
Desvio anterior:	1,00%	1,13%

- The MP28 building remains the main working front, with good evolution in staking, concreting of foundation blocks and precast installation;
- The construction of the BCTMP plant evolves positively;
- The histogram of this phase reaches the number of 1,266 registered workers, against 1,178 in the previous month. Effective 100% vaccinated with the 2nd dose - Covid - 19;
- In the safety of work there was no occurrence of ACA, the ACA + ASA rate was 0 in the period and the accumulated rate is 3.88. The limit drawn for the project is to be below 8.5 accumulated in this indicator;
- There is no record of positive cases of covid among the workers of this phase of the project;
- In the period, the supplier of the EPC package of the Capacity Increase of FiberLine was defined, Andritz.
- The planning of the general shutdown activities of the project was consolidated with the factory team. In the process of hiring the company that will perform the BOP work.

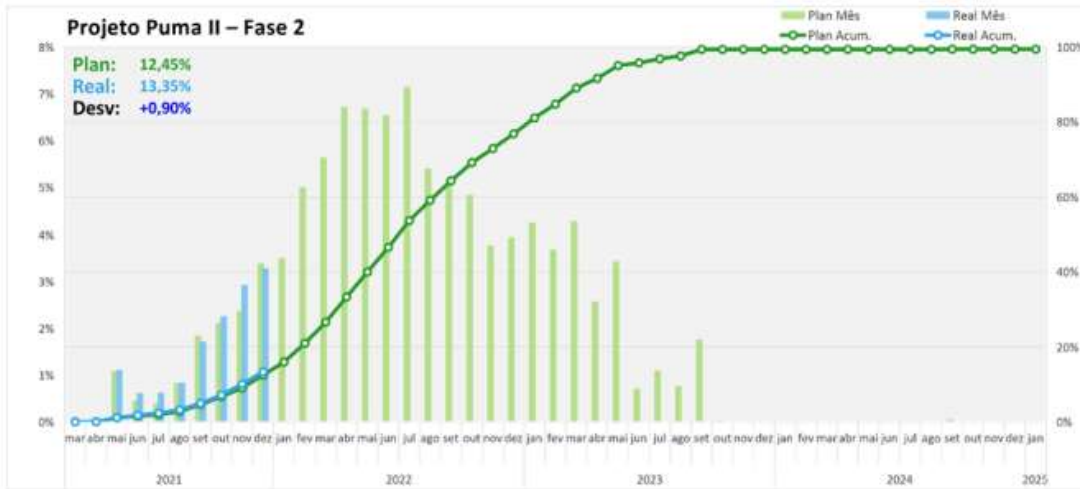
OVERALL CURVE AND PROJECT PROGRESS MAP - PUMA II (Phase II)

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ABSOLUTE DEVIATION MAP

Área	Peso	Desvio	Desvio Ponderado
Projeto Puma II – Fase 1	100,0%	0,90%	0,90%
BOP - Pacote 1 (CFTV, alarme de incêndio, dados e voz, etc.)	1,0%	0,07%	0,001%
BOP - Civil	0,5%	0,27%	0,001%
BOP - Cortadeira	0,1%	2,26%	0,002%
BOP - Pacote 2 (Pipe Rack, iluminação e arruamento, sisten	1,5%	0,30%	0,005%
BOP - Balance of Plant	3,0%	0,29%	0,009%
BCTMP	7,7%	0,73%	0,056%
Preparo de Madeira	2,9%	3,60%	0,104%
Aumento da Capacidade da Linha de Fibras	6,6%	2,00%	0,133%
Linha de Fibras	9,7%	1,47%	0,142%
Máquina de Papel - MP28 (CESBE)	9,7%	1,94%	0,189%
Máquina de Papel - MP28 (Valmet)	50,1%	0,53%	0,266%
Máquina de Papel - MP28	61,0%	0,74%	0,452%

HISTOGRAM OF THE WORK

1.4 Status Of The Environmental, Social, Health & Safety Management System (ESH&S-MS)

- Status of Corrective Action Plan [only where applicable]
- Status of Environmental & Social Action Plan [Short narrative on progress towards closing key activities as per priority milestones. Include entire ESAP with updated 'status' fields as Annex]
- Environmental Management and Indicators

1.5 Status of Relevant Permits

Include table of Relevant Authorizations as per Schedule 3 of the Common Terms Agreement

Ref.	Scope of permit (aspect)	Project component	Official permit name	Granted by (Institution)	Issue date	Expiration date
					dd/mm/yyyy	dd/mm/yyyy
1	Water	Pulp Mill	Grant - 2812/2019	Paraná Water Institute	16/07/2019	29/03/2026
2	Effluent	Pulp Mill	Grant - 289/2016	Paraná Water Institute	04/03/2016	04/03/2022
3	Environmental License Operation Renovation	Pulp Mill	RLO 176409-R1	Paraná Environmental Institute	05/04/2021	05/04/2025
4	Environmental License Operation	Transmission Line 230kV	LO 34265	Paraná Environmental Institute	25/05/2016	25/05/2022
5	Environmental License Operation	Railway Branch	LO 34882	Paraná Environmental Institute	14/03/2017	14/03/2021
6	Environmental License Operation	Railway Branch	Protocol 17.077.026-9	Paraná Environmental Institute	11/11//2020	-
7	Environmental License Operation Renovation	Paranaguá Port Terminal	RLO 219433-R1	Paraná Environmental Institute	12/02/2021	12/02/2027
8	Environmental License Operation	Campina's Highway	LO 34266	Paraná Environmental Institute	25/05/2016	25/05/2022

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9	Environmental License Operation	Fuel station	LO 185675-R1	Paraná Environmental Institute	10/07/2020	10/07/2026
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• **2 SIGNIFICANT ENVIRONMENTAL AND SOCIAL EVENTS**

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Personnel are required to report all environmental and social events¹¹ that may have caused damage; caused health problems; attracted the attention of outside parties; affected Klabin's labour or adjacent populations; affected cultural property; or created liabilities for Klabin.

Attach photographs, plot plans, newspaper articles and all relevant supporting information of any significant environmental or social event.

Please report on the following topics, expanding or collapsing the table where needed.

So far, there were no significant social events.

¹¹ Examples of significant incidents: chemical and/or hydrocarbon materials spills; fire, explosion or unplanned releases; industrial injuries; fatalities including transportation; ecological damage/destruction; local population disruption; disruption of emissions or effluent treatment; legal/administrative notice of violation; penalties, fines, or increase in pollution charges; negative media attention; chance cultural finds; labor unrest or disputes.

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• **3 GENERAL INFORMATION AND FEEDBACK**

Provide any additional information including the following:

1. In detail, describe print or broadcast media attention given to Reporting scope of companies during this reporting period.
2. In detail, describe interactions with non-governmental organizations (NGOs) or public scrutiny of Reporting scope of companies.
3. Describe Reporting scope of companies' public relations efforts.

External Communication – Press, divulgation and monitoring

Klabin considers press as a fundamental relationship public for communication with its different stakeholders. In Project Puma II, the journalists' service structure includes several activities – such as release production and support to press professionals, monitoring of all published information about the Project and related subjects (as well as information about the Puma Mill).

A structured team is responsible for media monitoring (clipping), which consists on reading the daily news from main regional media vehicles, in addition to radio stations, websites and Internet blogs. For this reason, there is the possibility of giving a prompt feedback to the media vehicles in the case of the publication of divergent information. Every time a divergent new is divulgated, the communication team gets in touch with the press to avoid expectations or negative wishes of the community by receiving non-official information.

Releases

In this report's period, there were 8 press releases divulgated to local press. In majority, notes consisted on information about the actions in partnership with the public sector (local development and public management). Also, information about jobs for the second phase of the Puma II and adjacent constructions' interferences on the region's day-by-day.

RELEASES	DATA
“Klabin realiza novos testes e simulações nas novas plantas da Unidade Puma!	14/jul
“Klabin informa prefeitura de Ortigueira sobre começo de operação do Projeto Puma II”	13/ago
“Sapopema recebe programa de Apoio à Gestão Pública”	27/set
“Próxima fase do Projeto Puma II da Klabin vai gerar 4,5 mil vagas de trabalho”	28/set

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“Obras na Portaria 1 do Projeto Puma II poderão causar lentidão na rotatória da PR-340”	29/set
“Klabin contrata técnicos recém-formados pelos cursos oferecidos em parceria com Senai”	16/nov
“Klabin e Sebrae realizam ação de encerramento do programa Negócio de Mulher”	30/nov
“Klabin recebe currículos para formação de banco de talentos em áreas operacionais”	22/dez

Besides proactive press releases, there is reactive media treatment. The company might be called to clarify any theme of interest of the journalists, or its spokesperson might be invited to speak about a Project Puma II related theme in the media vehicles.

Media Monitoring (clipping)

Everything that is divulged on the media is monitored daily – news classification by themes: the ones that mention Project Puma II directly, the ones that in any form might quote Klabin (or Puma Mill), and the others that bring relevant subjects for the region (health, public security, environmental issues, etc.).

A group of workers in Klabin, related to Project Puma II, receives the clipping weekly with an abstract of week news about the Project and relevant subjects, aiming the comprehension of the published subjects' inter-relation. A number of 62 media vehicles, 45 websites, 7 radios, 10 newspapers, more than 40 influencers and 20 WhatsApp Groups are monitored daily – except the ones that have different periodicities. Summary of weekly report and press performance report from July to December 2021 in annex.

Klabin and support to Municipalities in the Covid-19 pandemic scenario

Since the beginning of the health global crisis, Klabin engaged in the fight against Covid-19 by increasing its compromise of social responsibility and people care, especially in the operations' area of influence. For example, Klabin integrates since March of 2020 the Covid-19 Inter Sectorial Committee, formed by the Municipal and State Secretariat of Health, Municipal Council of Health and the city hospitals (Instituto Doutor Feitosa e Hospital Moura). In the daily meetings there are discussions related to regional infrastructure and follow up of the pandemic situation.

Klabin is aware of the importance of its social role in a difficult moment and, in 2020 and 2021, designated R\$ 12.5 million to the fight against Covid-19 in Paraná State. The actions focus on the health and social assistance areas, in addition to other sectors impacted by the crisis, especially in the regions of Klabin's forestry and industrial operations. Its main investment was related to the works and equipment acquisition that allow the Campaign Hospital in the Regional Hospital installations in Telêmaco Borba. Ten new Intensive Care rooms and 40 other nursery rooms that benefited seven municipalities of the region (Telêmaco Borba, Ortigueira, Imbaú, Curiúva, Reserva, Tibagi and Ventania).

Klabin also donated respirators, medicines and other equipment to region's public hospitals (Regional and Instituto Dr. Feitosa) and Paraná State Health Secretariat, helped in the hiring of professionals and distributed Covid-19 testing, oxygen concentrators, masks, hand sanitizers and other equipment for municipal administrations, neighboring communities and health professionals. More information about the Campaign Hospital and general donations available in the following links:

Campaign Hospital:

- <https://klabin.com.br/sala-de-noticias/press-release/klabin-entrega-as-obras-do-hospital-de-campanha-de-telemaco-borba/>

General Donations 2020:

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- <https://klabin.com.br/sala-de-noticias/press-release/doacoes-da-klabin-para-combater-a-covid-19-no-parana-somam-r-2-milhoes/>
- <https://klabin.com.br/sala-de-noticias/press-release/klabin-apoia-terras-indigenas-de-ortigueira-e-cooperativas-de-reciclagem-no-combate-ao-coronavirus/>
- <https://klabin.com.br/sala-de-noticias/press-release/klabin-realiza-novas-doacoes-para-combater-o-coronavirus-no-parana/>
- <https://klabin.com.br/sala-de-noticias/press-release/klabin-doa-10-respiradores-para-o-hospital-regional-de-telemaco-borba/>

General Donations 2021:

- <https://klabin.com.br/sala-de-noticias/press-release/klabin-entrega-cinco-mil-testes-ao-parana-e-transfere-mais-profissionais-de-saude/>
- <https://klabin.com.br/sala-de-noticias/press-release/parceria-entre-governo-e-klabin-garante-mais-5-leitos-de-uti-em-telemaco-borba/>
- <https://klabin.com.br/sala-de-noticias/press-release/klabin-reforca-seu-compromisso-social-e-destina-mais-9-respiradores-com-monitores-para-cidades-dos-campos-gerais/>
- <https://klabin.com.br/sala-de-noticias/press-release/klabin-reforca-seu-compromisso-social-e-apoia-a-compra-de-medicamentos-e-de-bombas-de-infusao-no-parana/>
- <https://klabin.com.br/sala-de-noticias/press-release/klabin-amplia-doacoes-para-o-combate-a-covid-19-no-parana/>
- <https://klabin.com.br/sala-de-noticias/press-release/klabin-firma-parceria-com-o-governo-do-estado-do-parana-para-doacao-de-mais-de-95-mil-medicamentos-para-intubacao/>

Project Puma II and the pandemic

During the year of 2020 and 2021, Project Puma II communication efforts and company's relations with the region communities were related to contention measures of Covid-19 dissemination among the workers and the population.

After its interruption in March, the Project Puma II constructions continued during the year of 2020 without any demobilizations. After protocol implementation by the State and Municipal Governments, Klabin worked along with the Covid-19 Inter Sectorial Committee and Ortigueira City Hall.

For the work continuity, Klabin developed a robust protocol of health and security and presented to the Covid-19 Inter Sectorial Committee, Ortigueira and Imbaú City Halls. Covid-19 testing in the worker's city of origin, seven days social distancing and new testing before accessing the site, daily temperature measurement of all workers, ozone tunnels in the site entrance and exit, Covid-19 ambulatory are examples of the protocol actions. In addition, the company implemented a daily "active search" in Project Puma II – health professionals checking temperature and measuring symptoms or workers that have been in contact with asymptomatic people. In case of any sign of contamination, the worker would be forwarded to the ambulatory and, if necessary, secluded. The protocol is also applied in the workers' residential, restaurants and transportation (buses and vans), along with intense communication efforts.

4 REPORTS TO ILLUSTRATE COMPLIANCE WITH HOST COUNTRY REGULATIONS AND INTERNATIONAL ENVIRONMENTAL POLICIES AND GUIDELINES

4.1 Noise

PUMA/Klabin is required to monitor point source air emissions as specified in the relevant environmental permit. Monitoring should take place while the pulp mill is operating.

PUMA/Klabin is required to monitor sound pressure levels as specified in the relevant environmental permit. Monitoring should take place while the pulp mill is operating and compared with the background levels defined in the project’s ESIA/EIA.

MONITORING SITES	COORDINATES	
	UTM X (m)	UTM Y(m)
P1	526836	7320893
P2	525480	7320143
P3	524504	7319320
P4	524536	7316963
P5	527670	7316371



Location of noise monitoring point

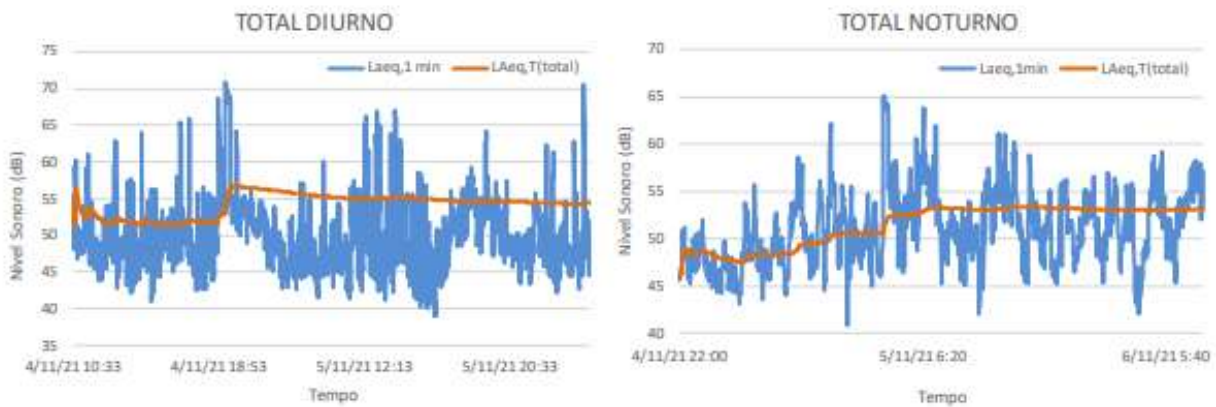
MONITORING SITES	RECEPTOR	UNITS	LIMITS		LIMITS		LIMITS	
			NBR 10151		IFC Guidelines		Adopted by the Project	
			DAYTIME	NIGHTTIME	DAYTIME	NIGHTTIME	DAYTIME	NIGHTTIME
P1	Residential	dB	55	50	55	45	55	45
P2	Residential	dB	55	50	55	45	55	45
P3	Industrial	dB	70	60	70	70	70	60
P4	Industrial	dB	70	60	70	70	70	60
P5	Residential	dB	55	50	55	45	55	45

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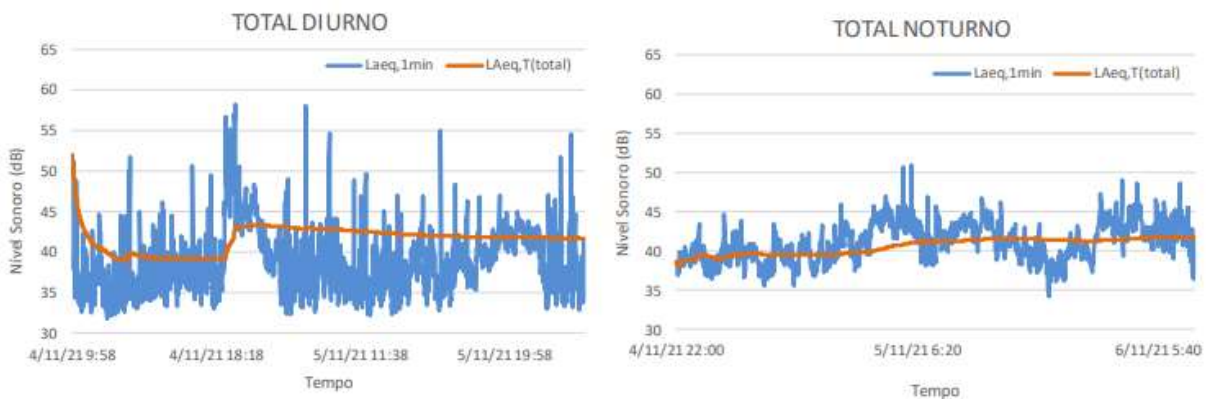
measured values 4Q 2021 – P1



Critical review:

Daytime measurements – most of the sampled time the result was below the threshold, showing that it is a characteristic condition of the location due to the flow of vehicles, animal sound and not the factory operation, because the the deviations are punctual
Nighttime measurements – most of the sampled time the result was below the thresholds. Peak occurred around 4 am, it was not repeated in the posterior period, showing that it is some particular interference in the region, animal sound or any vehicle. We have no record of significant deviation in the process, verified in the PI - System, that justify the deviation in noise in the analyzed period.

Measured values 4Q 2021 – P2



Critical review:

Daytime measurements – This increase in the period 04/11 6PM they are influenced by vehicle traffic in the region, non-frequent exceedance in others periods, showing that it is a characteristic condition of the location.

Nighttime measurements – During the sampling period, the results shows that it is a characteristic condition of the location, lower than the numerical standards.

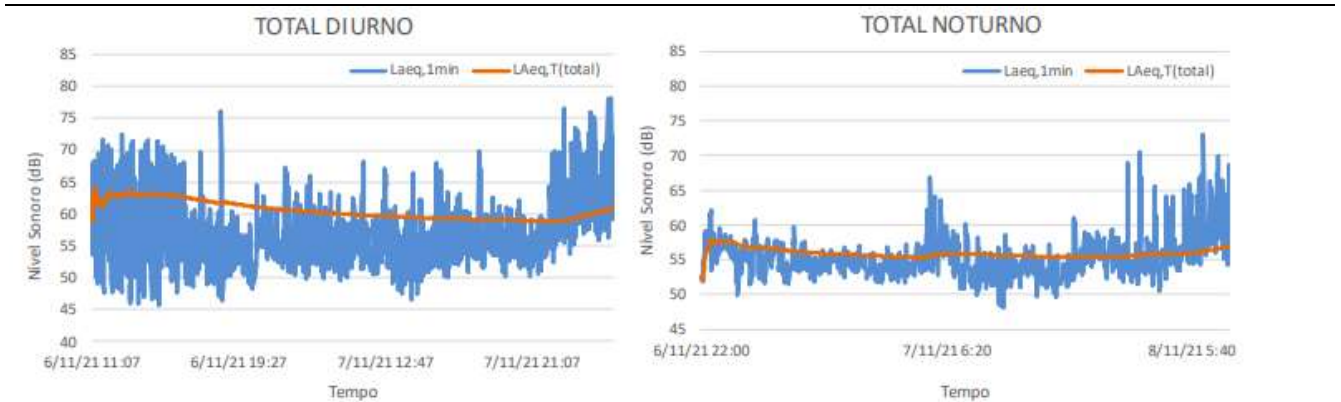
We have no record of significant deviation in the process, verified in the PI - System, that justify the deviation in noise in the analyzed period.

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Measured values 4Q 2021 – P3



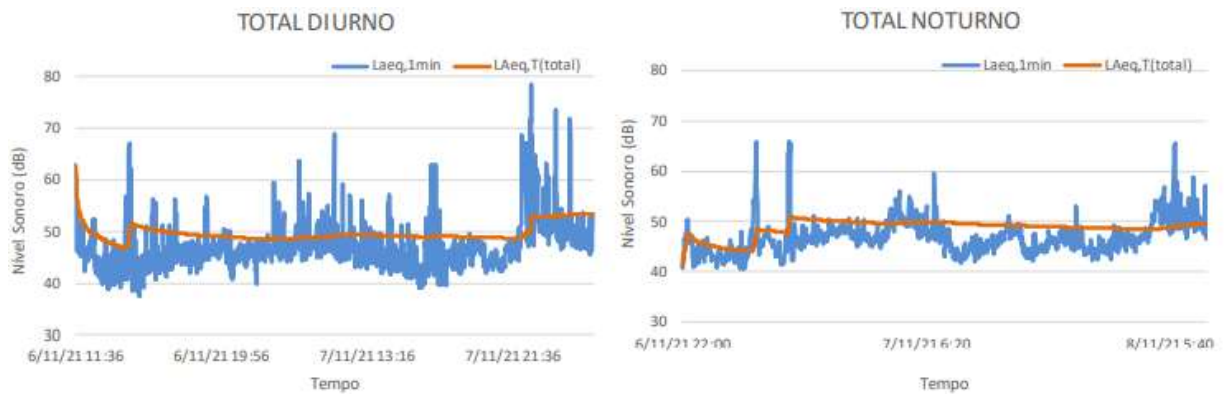
Critical review:

Daytime measurements – The values showing that it is a characteristic condition of the location and steakhouse activities.

Nighttime measurements – The values showing that it is a characteristic condition of the location, they are influenced by sound from domestic and wild animals.

We have no record of significant deviation in the process, verified in the PI - System, that justify the deviation in noise in the analyzed period.

Measured values 4Q 2021 – P4

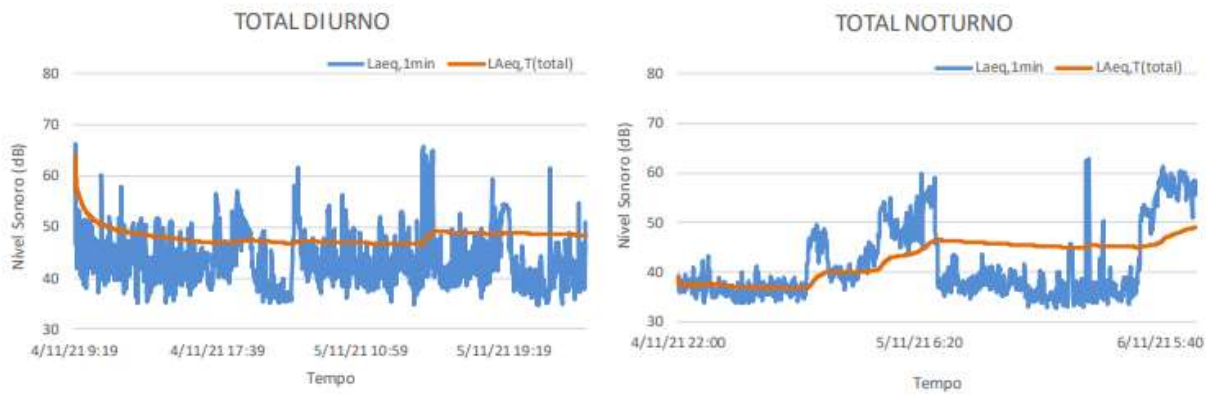


Critical review:

Daytime measurements – The values showing that it is a characteristic condition of the location and waste management center activities, the values are lower than the numerical standards during the majority of the sampling period.

Nighttime measurements – The values showing that it is a characteristic condition of the location and waste management center activities, the values are lower than the numerical standards during the majority of the sampling period.

Measured values 4Q 2021 – P5



Critical review:

Daytime measurements – The values showing that it is a characteristic condition of the location, the values are lower than the numerical standards during the majority of the sampling period.

Nighttime measurements – The values showing that it is a characteristic condition of the location, the values are lower than the numerical standards during the majority of the sampling period.

4.2 Point Source Air Emissions

PUMA/Klabin is required to monitor point source air emissions as specified in the relevant environmental permit. Monitoring should take place while the pulp mill is operating.

PUMA/Klabin is required to monitor point source air emissions as specified in the relevant environmental permit. Monitoring should take place while the pulp mill is operating.

Point Source Air Emissions Monitoring¹ - Reporting Period July./2021 through December/2021						
<i>Sampling frequency (if not continuous, define sampling frequency below)</i>	<i>Pollutant</i>	<i>Unit</i>	<i>Numerical Standard Adopted by the Project</i>	<i>PUMA/Klabin's Performance, Average for the reporting period</i>	<i>Maximum</i>	<i>Minimum</i>
Recovery Boiler						
Semiannual	PM	mg/Nm3	100	36,55	40,25	30,53
Semiannual	SO ₂	mg/Nm3	100	1,42	1,44	1,40
Semiannual	NO _x	mg/Nm3	470	105,72	121,54	84,40
Semiannual	TRS	mg/Nm3	15	2,59	2,62	2,55
Semiannual	H ₂ S	mg/Nm3	-	-	-	-
Biomass Boiler						
Semiannual	PM	mg/Nm3	100	22,46	32,06	25,95
Semiannual	SO ₂	mg/Nm3	-	1,54	1,55	1,53
Semiannual	NO _x	mg/Nm3	500	107,50	113,35	97,97
Semiannual	TRS	mg/Nm3	-	-	-	-
Semiannual	H ₂ S	mg/Nm3	-	-	-	-
Lime Kiln I						
Semiannual	PM	mg/Nm3	100	23,50	26,92	21,63
Semiannual	SO ₂	mg/Nm3	-	174,88	197,62	162,85
Semiannual	NO _x	mg/Nm3	470	197,66	260,95	224,51
Semiannual	TRS	mg/Nm3	30	9,04	8,78	8,94
Lime Kiln II						
Semiannual	PM	mg/Nm3	100	48,93	50,70	46,86
Semiannual	SO ₂	mg/Nm3	-	340,82	370,69	285,32
Semiannual	NO _x	mg/Nm3	470	190,83	224,44	168,44
Semiannual	TRS	mg/Nm3	30	9,03	10,10	8,41

Please report valid limits from the Brazilian environmental permit and measurement results to the table below - Annex 2 - 24

12 Provide a scaled facility map showing the precise location of all discharge points.

Please provide in the table below the amount of absolute emission during the reporting period of each given parameter divided by amount of pulp produced in same period of time.

Parameter	Unit	PUMA/Klabin Pulp Mill's performance ¹³	IFC guideline ¹⁴

¹ Provide a scaled facility map showing the precise location of all discharge points.
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Amount of produced pulp	ADt	924.346,70	
TSP	kg/ADt	0,28	0,5
SO2 as S	kg/ADt	0,19	0,4
NOx as NO2	kg/ADt	1,04	1,5
TRS as S	kg/ADt	0,00002	0,2

Annex 2 - 24

Annex 2 - 25

Please provide in the table below the amount of absolute emission during the reporting period of each given parameter divided by amount of pulp produced in same period of time.

Parameter	Unit	PUMA/Klabın Pulp Mill's performance ¹³	IFC guideline ¹⁴
Amount of produced pulp	ADt		
TSP	kg/ADt		0,5
SO2 as S	kg/ADt		0,4
NOx as NO2	kg/ADt		1,5
TRS as S	kg/ADt		0,2

4.3. Ambient Air

Ambient Air refers to any unconfined portion of the atmosphere and is also termed open air or surrounding air. Ambient monitoring is carried out for a variety of reasons, including assessment of environmental problems and evaluation of interventions.

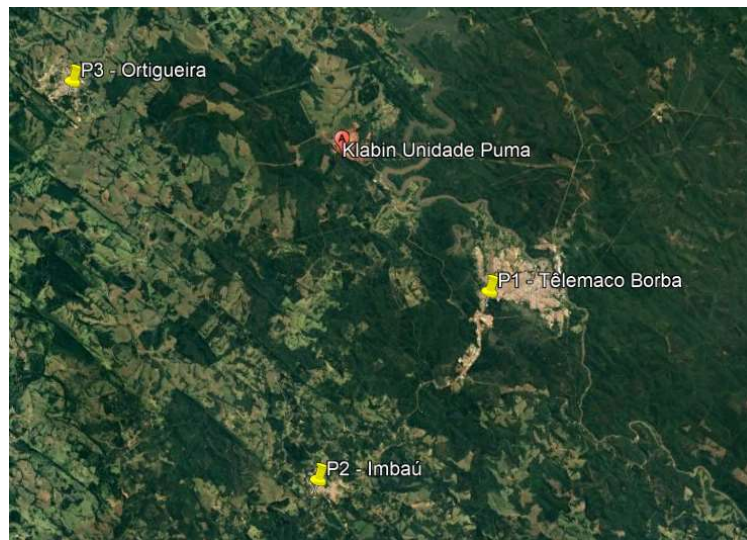
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PUMA/Klabin is required to monitor ambient air at subsequent defined locations. Monitoring should take place while the pulp mill is operating.





MONITORING SITES	COORDINATES	
	UTM X (m)	UTM Y(m)
P1	535.013,88	7.308.093,07
P2	523.760,76	7.296.052,88
P3	507.675,72	7.321.976,19



Location of ambient air quality monitoring points

¹³ Report average figures for the reporting period.

¹⁴ IFC. 2007: Environmental, health and safety guidelines for pulp and paper mills. Page 30.

Air Quality Monitoring Campaigns	
Seasons of the year	Monitoring Period
 AUTUMN	04/19/2018 through 05/30/2018 – Completed 05/24/2019 through 06/24/2019 – Completed 06/01/2021 through 06/18/2021 – Completed
 WINTER	09/06/2019 through 09/22/2019 – Completed
 SPRING	10/16/2018 through 11/17/2018 – Completed 12/01/2020 through 12/18/2020 – Completed December/2021 – Waiting for report
 SUMMER	03/11/2020 through 03/27/20 – Completed

The objective is attend seasonal variations that represent all typical weather conditions experienced in the region.

The air quality monitoring methodology, conduct the monitoring in each sampling location for a period of five days:

Site 1: Telêmaco Borba

Site 2: Imbaú

Site 3: Ortigueira

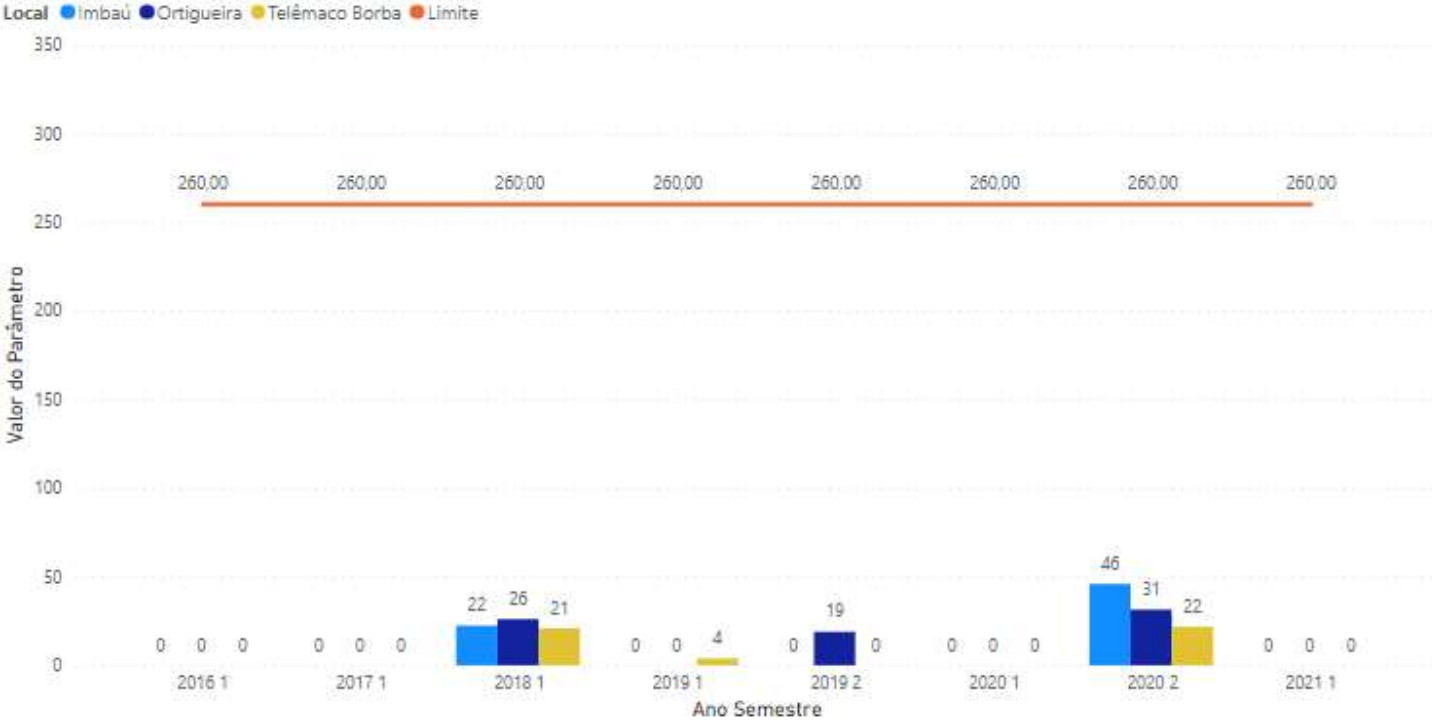
The methodology and the location of the sampling points were presented to the Paraná Environmental Institute at the PCA. The report is sent after campaign.

¹⁵ Please provide a scaled map showing the precise location of all monitoring points.

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The results of the monitoring campaigns are shown in the graphs below:

Ambient air quality monitoring – NO2

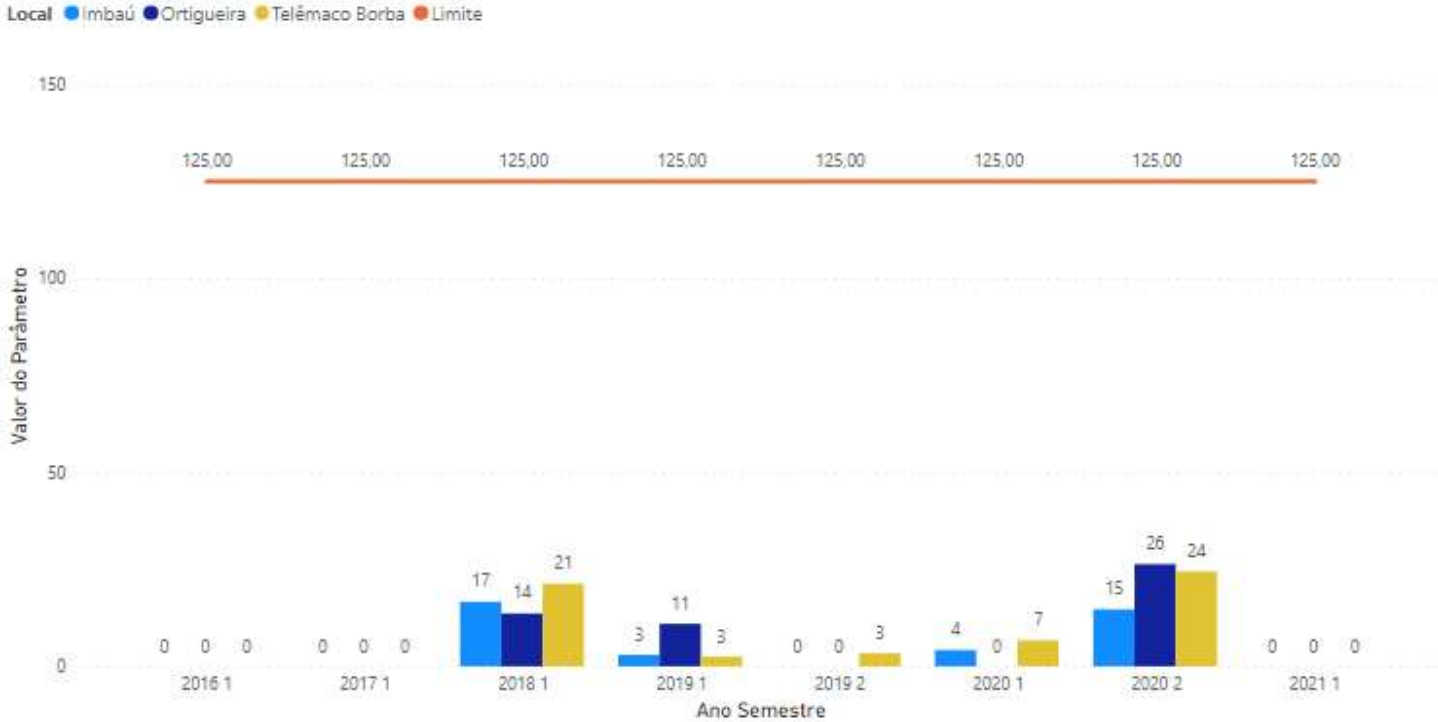


Critical review:

The results for the NO2 parameter demonstrate compliance in all campaigns.

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Ambient air quality monitoring – SO2

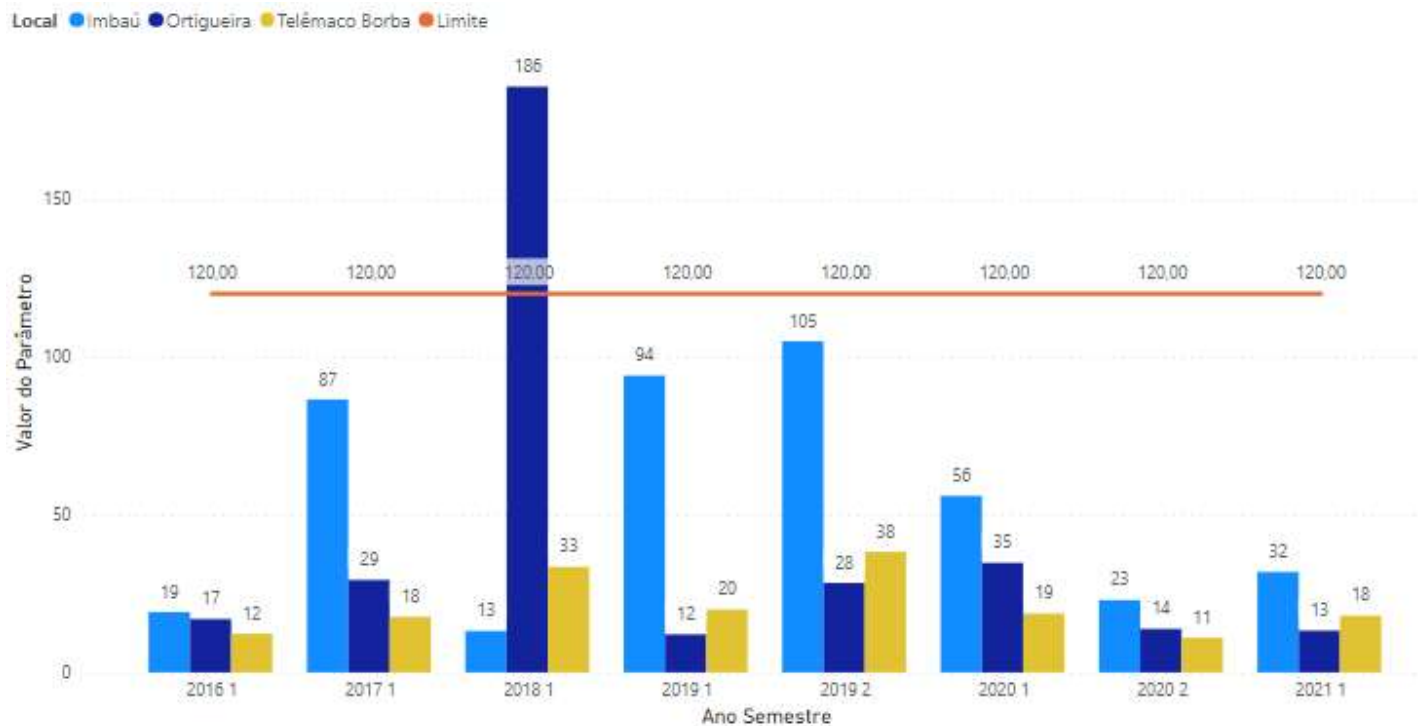


Critical review:
The results for the SO2 parameter demonstrate compliance in all campaigns.

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Ambient air quality monitoring – PM10

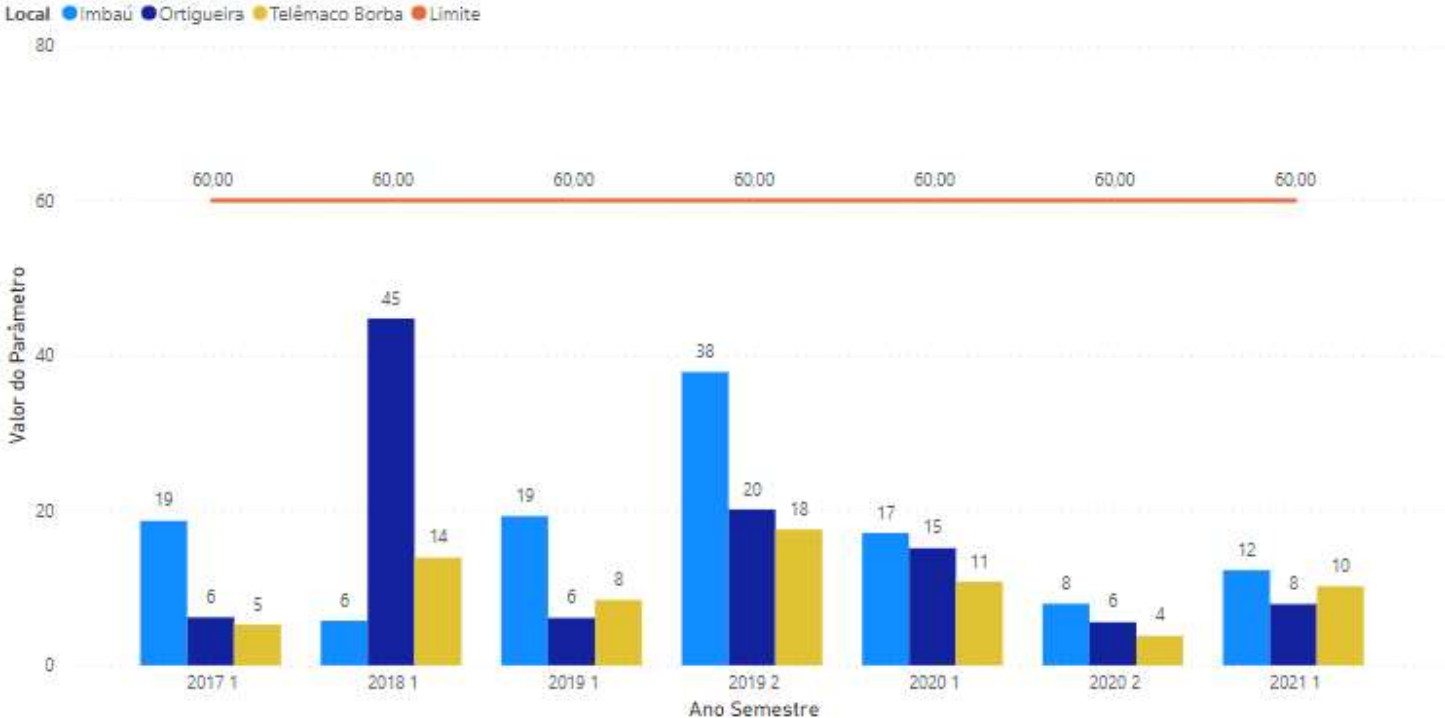


Critical review:

The result of monitoring conducted in 2018, the synoptic conditions were characterized by dry and stable weather, unfavorable to the removal and dispersion of atmospheric pollutants. Under these conditions, the natural emissions of particulates tend to increase, and consequently the concentrations of PTS and MP10, as was the case of the samplings carried out in the period. In fact, numerous overshoot of PTS, overshoot in fewer MP10, and no overshoot of MP2.5, indicate that the origin of the particulates is predominantly from natural (non-industrial) sources. In other monitoring campaigns, the results demonstrate compliance.

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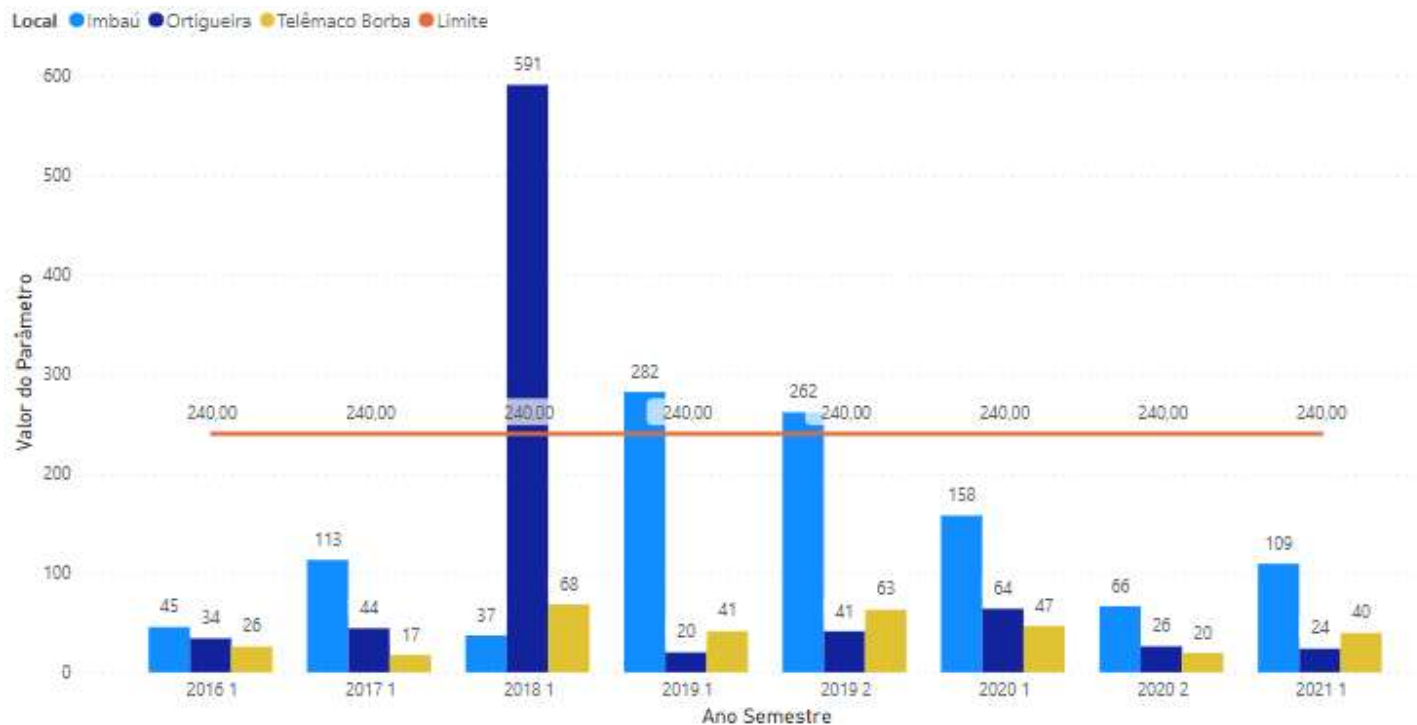
Ambient air quality monitoring – PM 2,5



Critical review:
The results for the PM 2,5 parameter demonstrate compliance in all campaigns.

IDB Invest Loan Number 11984-02
IFC Loan Number 42138

Ambient air quality monitoring – TSP

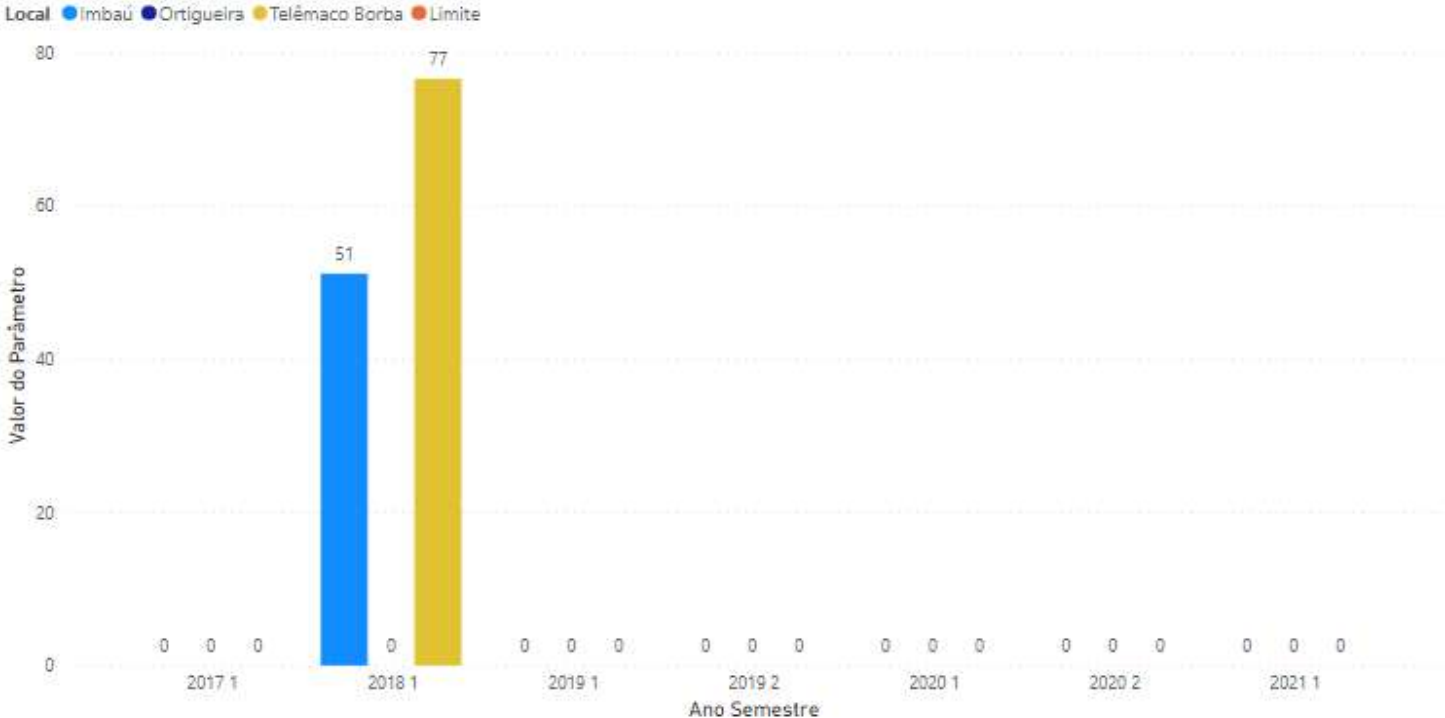


Critical review:

The result of monitoring conducted in 2018, the synoptic conditions were characterized by dry and stable weather, unfavorable to the removal and dispersion of atmospheric pollutants. Under these conditions, the natural emissions of particulates tend to increase, and consequently the concentrations of PTS and MP10, as was the case of the samplings carried out in the period. In fact, numerous overshoot of PTS, overshoot in fewer MP10, and no overshoot of MP2.5, indicate that the origin of the particulates is predominantly from natural (non-industrial) sources. In other monitoring campaigns, the results demonstrate compliance.

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Ambient air quality monitoring – TRS

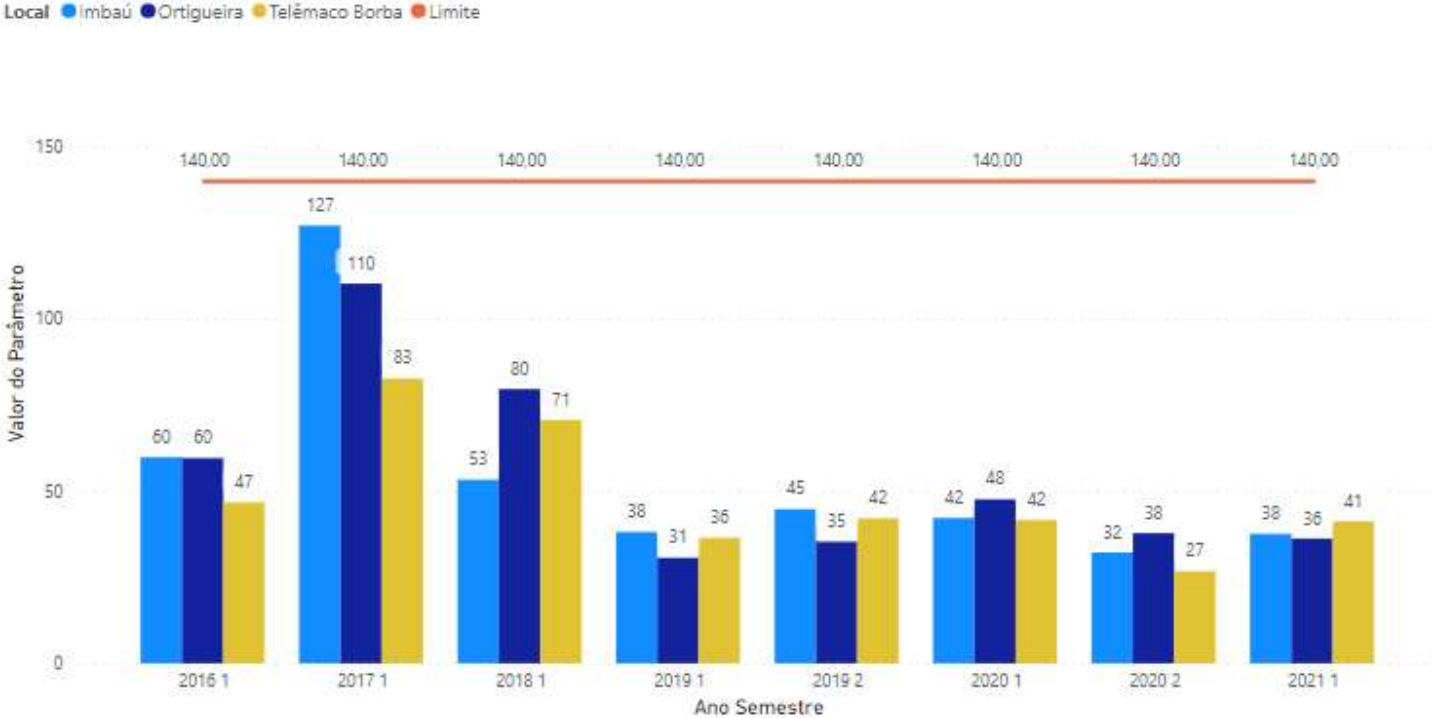


Critical review:

The limit is not applicable for the TRS parameter, however in recent years the results are lower than the quantification limit for the method used.

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IFC Loan Number 42138

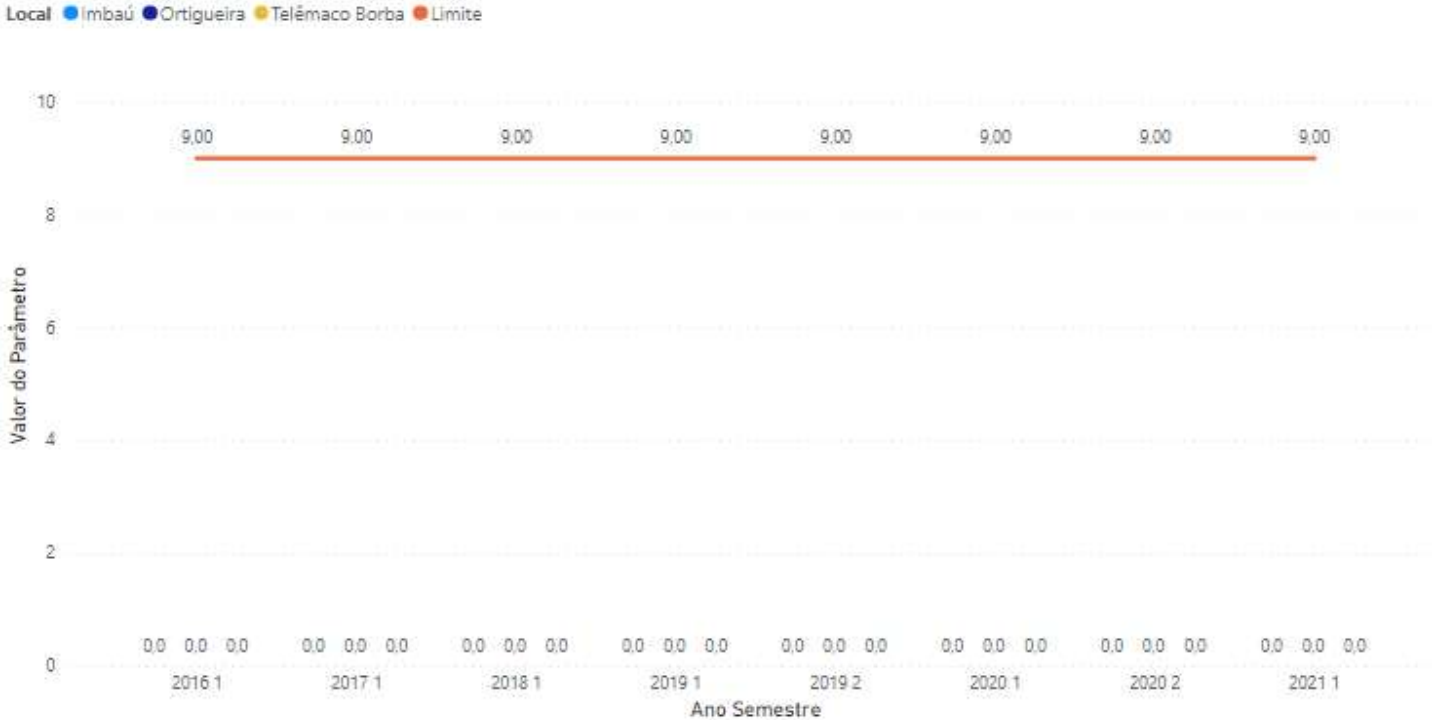
Ambient air quality monitoring – O3



Critical review:
The results for parameter O3 demonstrate compliance in all campaigns.

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Ambient air quality monitoring – CO



Critical review:
The results for parameter CO demonstrate compliance in all campaigns.

¹³ Report average figures for the reporting period.

4.4. Liquid Effluent

Liquid Effluent refers to all types of liquid waste which is discharged from the pulp mill site. Types of liquid effluent include process, sanitary, storm water, leachate and thermal discharges. PUMA/Klabin is required to monitor liquid effluent at agreed discharge points. Monitoring should take place when the facilities are both operating and under construction.

Please fill in valid limits from the Brazilian environmental permit and measurement results to the table below. Each discharge monitoring place needs a table of its own.¹⁶

<i>Sample Frequency (samples/year or continuous)</i>	<i>Parameter</i>	<i>Unit.</i>	<i>Numerical Standard Adopted by the Project (please indicate units)</i>	<i>PUMA/Klabin's Performance Average (please indicate units)</i>	<i>Maximum</i>	<i>Minimum</i>
Fortnightly	pH	-	6 -9	6,91	7,1	6,70
Fortnightly	Flow	m3/h	7400	6027	7420*	1358
Fortnightly	Temperature increase	°C	Max. 40	21,8	25,0	17,3
Fortnightly	COD	mg/L	230	148	184	103
Fortnightly	BOD ₅	mg/L	30	21	29	13
Semiannual	AOX	mg/L	-	<0,0405**	***	***
Fortnightly	Total Phosphorus	mg/L	0,30	0,17	0,23	0,10
Fortnightly	Total Nitrogen Ammoniacal	mg/L	20	0,25	0,56	0,05
Fortnightly	TSS	mg/L	100	30,0	53,30	16,60
Semiannual	Dioxins/furans	µg/L	-	< 0,000016**	***	***

*On 10/24, there was a punctual record of the outflow of effluents, the areas with the highest consumption were identified, those responsible were called and the flow returned to levels below the reference limit.

**The results are performed every six months, with only one result, this being the one presented for the 2nd semester of 2021.

¹⁶ Please provide a scaled map showing the precise location of all monitoring points.

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Please provide in the table below the amount of absolute emission during the reporting period of each given parameter divided by amount of pulp produced in same period of time.

Parameter	Unit	PUMA/Klabin pulp mill's performance ¹⁷	IFC guideline (bleached pulp) ¹⁸	IFC guideline (unbleached pulp) ¹⁹
Amount of produced pulp (unbleached)	ADt	121.575,85		
Amount of produced pulp (bleached)	ADt	802.770,86		
Flow ²⁰	m3/ADt	28,8	50	25
pH	-	7,0	6-9	6-9
TSS	kg/ADt	0,8767	1,5	1
COD	kg/ADt	4,2513	20	10
BOD5	kg/ADt	0,6131	1	0.7
AOX	kg/ADt	0,000001	0,25	-
Total N ²¹	kg/ADt	0,0071	0,2	0.2
Total P	kg/ADt	0,0051	0,03	0.02

¹⁷ Report average figures for the reporting period.

¹⁸ IFC. 2007: Environmental, health and safety guidelines for pulp and paper mills. Pages 26 and 29.

¹⁹ IFC. 2007: Environmental, health and safety guidelines for pulp and paper mills. Pages 26 and 29.

²⁰ Cooling water and other clean water are discharged separately and are not included

²¹ Any nitrogen discharge associated with the use of complexing agents should be added to the figure of tot-N.

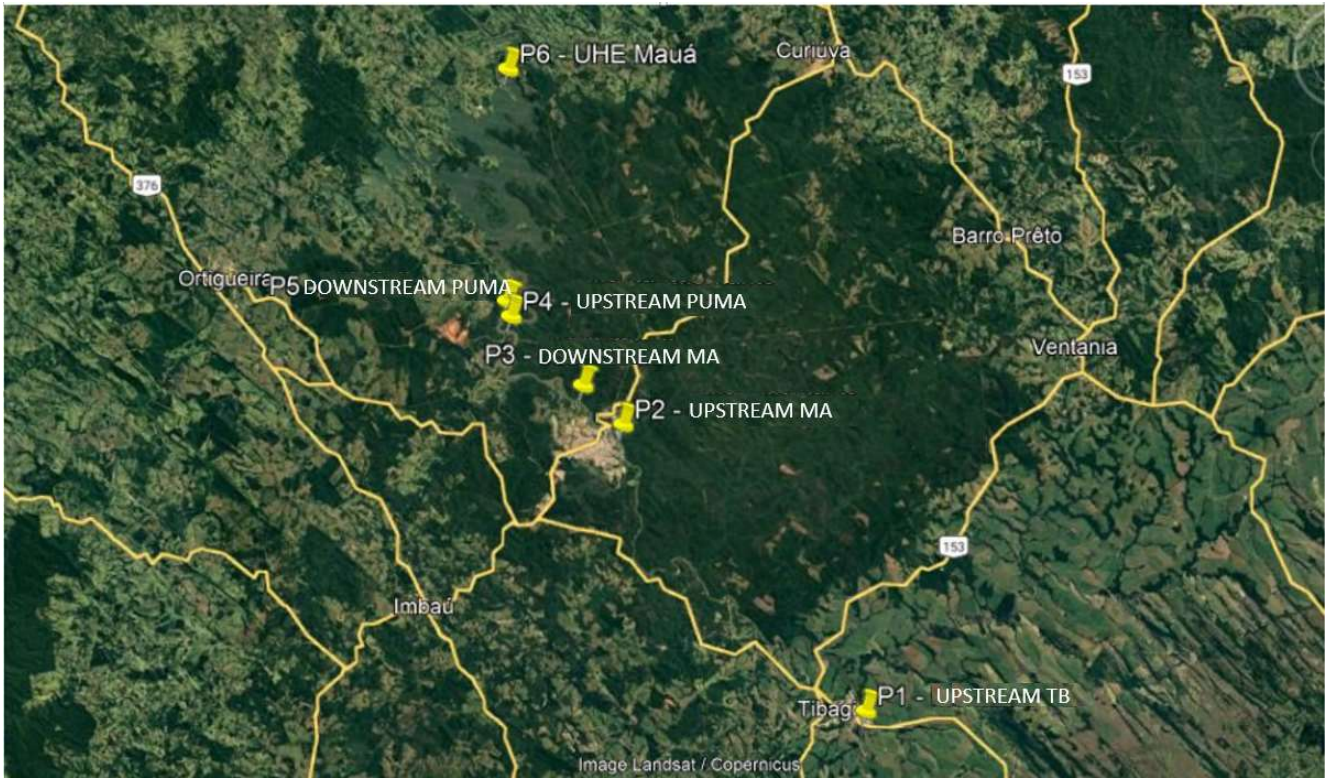
Annex 2 - 30

4.5. Ambient Surface Water Quality

PUMA/Klabin is required to collect representative samples of ambient surface water from Tibagi River and submit these samples for laboratory analysis. Representative samples of ambient surface water should be collected to establish upstream (unaffected) sampling points surface water quality and downstream (or affected sampling points) surface water quality. Do not make composite samples. Monitoring should take place both during construction and operation..

Please provide Brazilian maximum levels in Brazilian units in the table below. Individual tables are needed for each monitoring point.

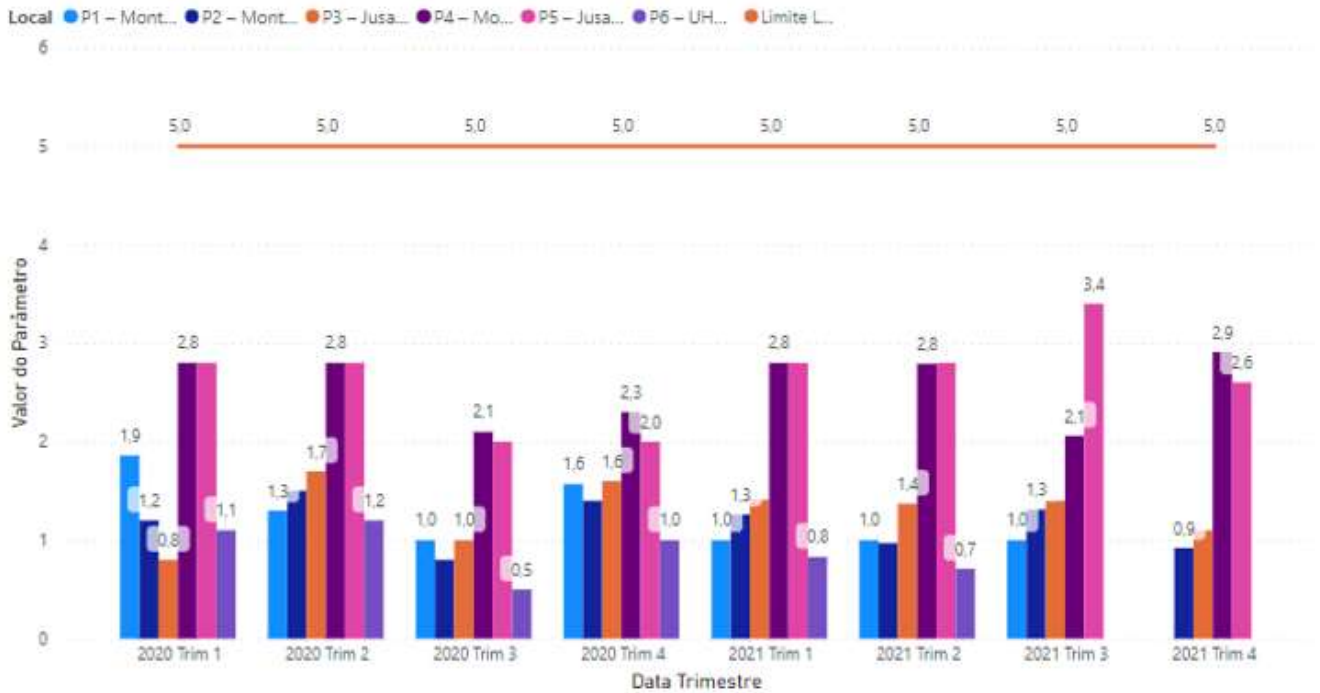
113717.0219127 WAS 330931v15



Location of ambient surface water monitoring points

²² Please provide a map showing the precise location of all ambient surface water monitoring points.

BOD
(mg/l)



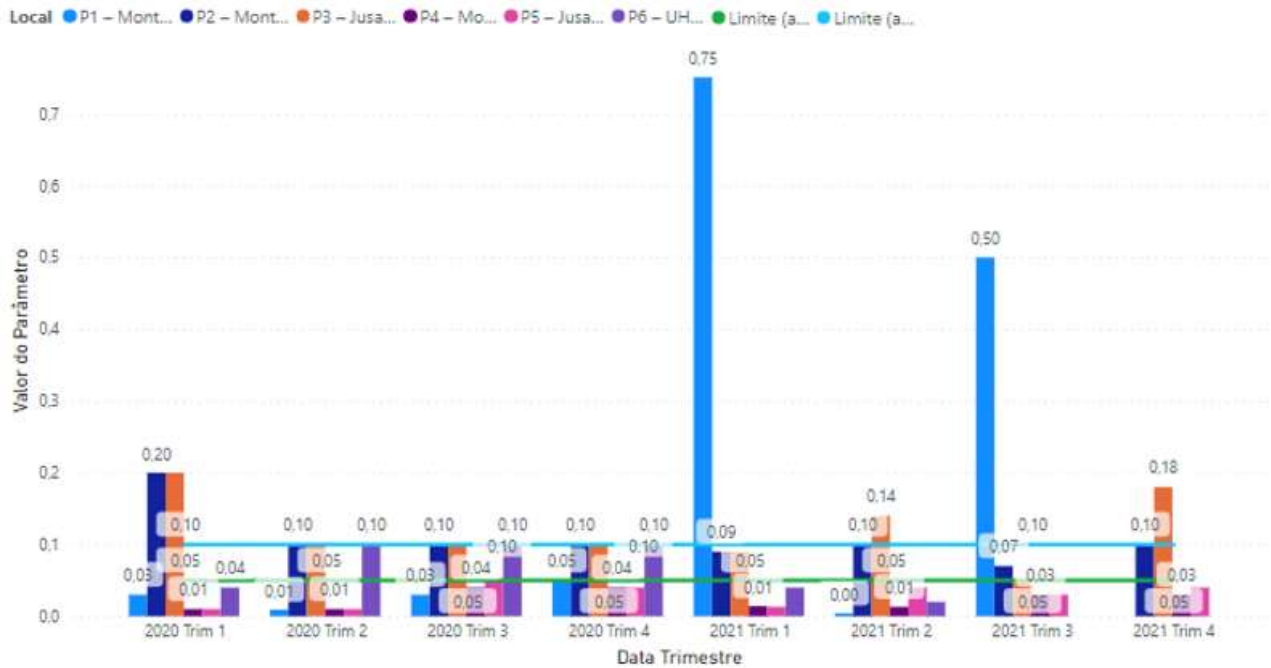
Critical review:

The results for parameter BOD demonstrate compliance in all campaigns.

The results in P1 are provided by UHE Tibagi and P6 are provided by UHE Mauá and until closing of this report, they have not been made available.

Looking at the trends, we have no record of a significant rise or change in this impact.

Total Phosphorus
(mg/l)



Critical review:

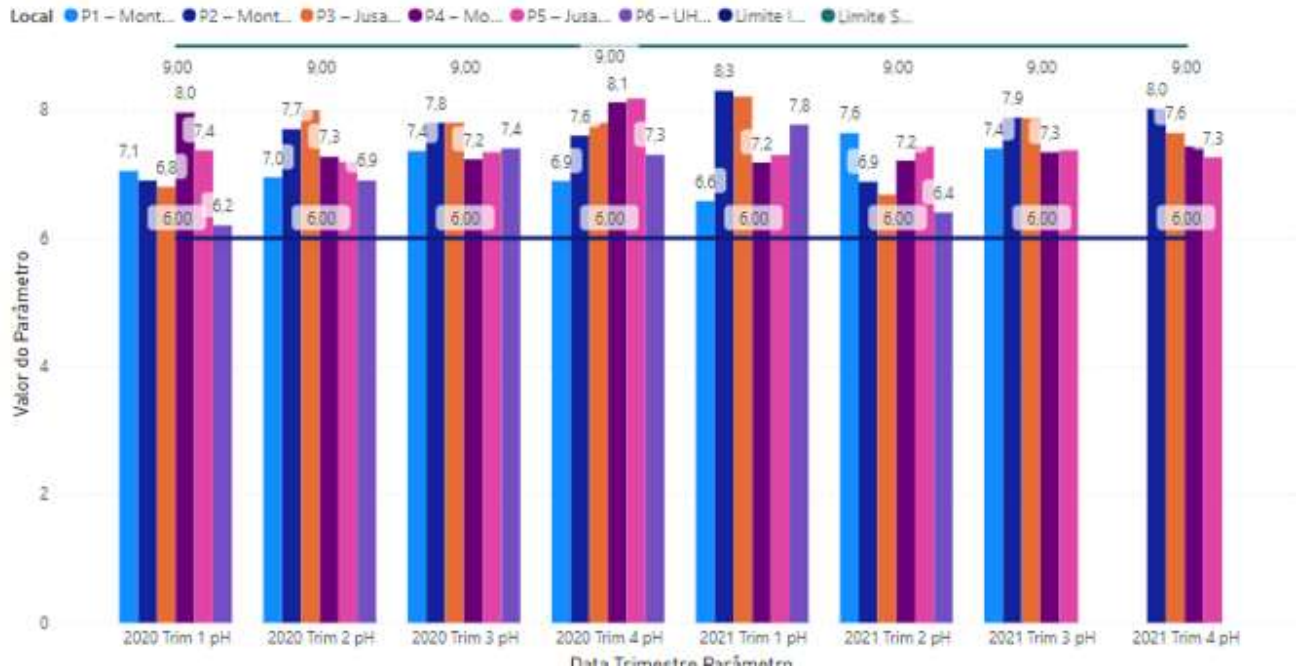
The result for parameter Total phosphorus was above the Brazilian regulatory limits for points upstream and downstream of Monte Alegre in 1Q 2020 and downstream of Monte Alegre in 2Q and 4Q 2021, these value can be attributed to the municipal sewer release, not impacted by Monte Alegre effluent contribution. The values for point P1 upstream TB can be attributed to the high rainfall recorded in the period.

The limit of 0.10 mg/L is valid for Monte Alegre (lotic River) and 0.05 for Puma (intermediary River).

The results in P1 are provided by UHE Tibagi and P6 are provided by UHE Mauá and until closing of this report, they have not been made available.

Looking at the trends, we have no record of a significant rise or change in this impact.

pH



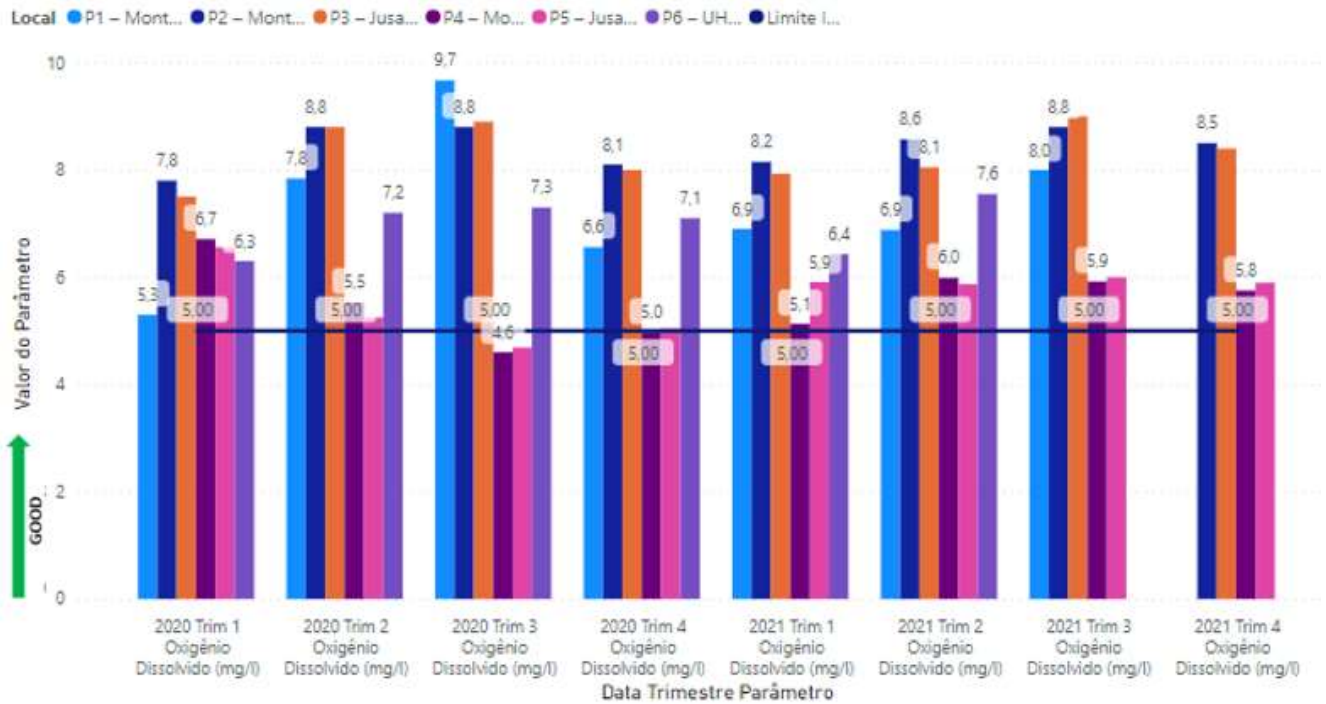
Critical review:

The results for parameter pH demonstrate compliance in all campaigns.

The results in P1 are provided by UHE Tibagi and P6 are provided by UHE Mauá and until closing of this report, they have not been made available.

Looking at the trends, we have no record of a significant rise or change in this impact.

Dissolved Oxygen
(mg/l)



Critical review:

The result for parameter Dissolved Oxygen was below the Brazilian regulatory limits for points upstream and downstream of Puma in 3Q 2020.

This shows that there is a contribution from the municipality or rural area between Monte Alegre and Puma. In other monitoring campaigns, the results demonstrate compliance.

The results in P1 are provided by UHE Tibagi and P6 are provided by UHE Mauá and until closing of this report, they have not been made available.

Looking at the trends, we have no record of a significant rise or change in this impact.

Please provide summary of groundwater sampling results at the pulp mill site during the reporting period and compare them to Brazilian groundwater limits.²³

Parameters	CONAMA 420	Units	P1	P2	P3	P4	P5	P6	P7	P8	P9
			Upstream of Products Area	Near to Chemical Plant	East Pluvial Lagoon	Near to Lime Kiln	Near to Biomass Boiler	Upstream of Wastewater Treatment Plant	Near to Emergency Lagoons	Near to Secondary Decantador	Near to Waste Segregation Plant
Alumínio	3500	µg/L	2387	909	1592	895	1954	1094	Dry	1094	781
Antimônio	5	µg/L	5	5	5	5	5	5	Dry	5	5
Arsênio	10	µg/L	8	8	8	8	8	8	Dry	8	8
Bário	700	µg/L	10,1	24,6	130,0	59,4	45,6	18,7	Dry	18,7	52
Boro	500	µg/L	5	5	5,0	5	5,0	5,0	Dry	5,0	5
Cádmio	5	µg/L	1	1	1,0	1	1,0	1,0	Dry	1,0	1
Chumbo	10	µg/L	10	10	10,0	10	10,0	10,0	Dry	10,0	10
Cobalto	70	µg/L	5	5	5,0	5	5,0	5,0	Dry	5,0	5
Cobre	2000	µg/L	5	5	5,0	5	5,0	5,0	Dry	5,0	5
Cromo	50	µg/L	5	5	5,0	5	5,0	5,0	Dry	5,0	5
Ferro	2450	µg/L	9904	1567	1719,3	1501,4	1572,3	2914	Dry	2914	2495
Manganês	400	µg/L	46,5	35,5	167,1	20	232,6	65,6	Dry	65,6	17,9
Mercúrio	1	µg/L	0,2	0,2	0,20	0,2	0,20	0,20	Dry	0,20	0,2
Molibdênio	70	µg/L	5	5	5,0	5	5,0	5,0	Dry	5,0	5
Níquel	20	µg/L	6	6	6,0	6	6,0	6,0	Dry	6,0	6
Nitrato-N	10000	µg/L	50	-	133	78	10	59	Dry	59	316
Prata	50	µg/L	5	5	5,0	5	5,0	5,0	Dry	5,0	5
Selênio	10	µg/L	7	7	7,0	7	7,0	7,0	Dry	7,0	7
Vanádio	-	µg/L	-	-	-	-	-	-	Dry	-	-
Zinco	1050	µg/L	31,5	31	48,4	28,9	48,2	34,8	Dry	34,8	44,1
Benzeno	5	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
Estireno	20	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
Etilbenzeno	300	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
Tolueno	700	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
Xilenos	500	µg/L	1,5	1,5	1,50	1,5	1,50	1,50	Dry	1,50	1,5
Antraceno	-	µg/L	-	-	-	-	-	-	Dry	-	-
Benzo(a)antraceno	1,75	µg/L	0,005	0,005	0,005	0,005	0,005	0,005	Dry	0,005	0,005
Benzo(k)fluoranteno	-	µg/L	-	-	-	-	-	-	Dry	-	-
Benzo(g,h,i)perileno	-	µg/L	-	-	-	-	-	-	Dry	-	-
Benzo(a)pireno	0,7	µg/L	0,005	0,005	0,005	0,005	0,005	0,005	Dry	0,005	0,005
Criseno	-	µg/L	-	-	-	-	-	-	Dry	-	-
Dibenzo(a,h)antraceno	0,18	µg/L	0,005	0,005	0,005	0,005	0,005	0,005	Dry	0,005	0,005
Fenantreno	140	µg/L	0,005	0,005	0,005	0,005	0,005	0,005	Dry	0,005	0,005
Indeno(1,2,3,c-d)pireno	0,17	µg/L	0,005	0,005	0,005	0,005	0,005	0,005	Dry	0,005	0,005
Naftaleno	140	µg/L	0,005	0,005	0,005	0,005	0,005	0,005	Dry	0,005	0,005
Clorobenzeno (Monoclorobenzeno)	700	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
1,2-Diclorobenzeno	1000	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
1,3-Diclorobenzeno	-	µg/L	-	-	-	-	-	-	Dry	-	-
1,4-Diclorobenzeno	300	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
1,2,3-Triclorobenzeno	-	µg/L	-	-	-	-	-	-	Dry	-	-
1,2,4-Triclorobenzeno	-	µg/L	-	-	-	-	-	-	Dry	-	-
1,3,5-Triclorobenzeno	-	µg/L	-	-	-	-	-	-	Dry	-	-
Triclorobenzenos	-	µg/L	1	1	1,00	1,00	1,00	1,00	Dry	1,00	1
1,2,3,4-Tetraclorobenzeno	-	µg/L	-	-	-	-	-	-	Dry	-	-
1,2,4,5-Tetraclorobenzeno	-	µg/L	-	-	-	-	-	-	Dry	-	-
1,2,3,5-Tetraclorobenzeno	-	µg/L	-	-	-	-	-	-	Dry	-	-
Hexaclorobenzeno	1	µg/L	0,001	0,001	0,001	0,001	0,001	0,001	Dry	0,001	0,001
1,1-Dicloroetano	280	µg/L	0,5	0,5	0,50	0,50	0,50	0,50	Dry	0,50	0,5
1,2-Dicloroetano	10	µg/L	0,5	0,5	0,50	0,50	0,50	0,50	Dry	0,50	0,5
1,1,1-Tricloroetano	280	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
Cloreto de Vinila	5	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
1,1-Dicloroetano	30	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
1,2-Dicloroetenos (Cis+Trans)	50	µg/L	1	1	1,00	1	1,00	1,00	Dry	1,00	1
Tricloroetano	70	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
Tetracloroetano	40	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
Cloreto de Metileno (Diclorometano)	20	µg/L	5	5	5,00	5	5,00	5,00	Dry	5,00	5
Clorofórmio (Triclorometano)	200	µg/L	1	1	1,00	1	1,00	1,00	Dry	1,00	1
Tetracloroeto de Carbono	2	µg/L	0,5	0,5	0,50	0,5	0,50	0,50	Dry	0,50	0,5
2-Clorofenol	10,5	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
2,4-Diclorofenol	10,5	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
3,4-Diclorofenol	10,5	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
2,4,5-Triclorofenol	10,5	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
2,4,6-Triclorofenol	200	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
2,3,4,5-Tetraclorofenol	10,5	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
2,3,4,6-Tetraclorofenol	10,5	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
Pentaclorofenol	9	µg/L	0,2	0,2	0,2	0,2	0,2	0,2	Dry	0,2	0,2
Cresóis Totais	175	µg/L	0,3	0,3	0,3	0,3	0,3	0,3	Dry	0,3	0,3
Fenol	140	µg/L	0,1	0,1	0,1	0,1	0,1	0,1	Dry	0,1	0,1
Di(2-Etilhexil)ftalato (DEHP)	8	µg/L	0,2	0,2	0,2	0,2	0,2	0,2	Dry	0,2	0,2
Dimetilftalato	14	µg/L	0,2	0,2	0,2	0,2	0,2	0,2	Dry	0,2	0,2
Dibutilftalato	-	µg/L	-	-	-	-	-	-	Dry	-	-
Aldrin + Dieldrin	0,03	µg/L	0,002	0,002	0,002	0,002	0,002	0,002	Dry	0,002	0,002
Endrin	0,6	µg/L	0,001	0,001	0,001	0,001	0,001	0,001	Dry	0,001	0,001
p,p'-DDT + p,p'-DDE + p,p'-DDD	2	µg/L	0,003	0,003	0,003	0,003	0,003	0,003	Dry	0,003	0,003
beta-HCH (beta-Lindano)	0,07	µg/L	0,001	0,001	0,001	0,001	0,001	0,001	Dry	0,001	0,001
Lindano (gama-HCH)	2	µg/L	0,001	0,001	0,001	0,001	0,001	0,001	Dry	0,001	0,001
Bifenilas Policloradas (PCBs)	3,5	µg/L	0,007	0,007	0,007	0,007	0,007	0,007	Dry	0,007	0,007

*In the geotechnical environmental studies prior to the construction of the factory, concentrations of iron in the soil and groundwater had already been identified above the reference limit, which is a natural composition of the soil in the region.

4.6. Solid Waste Management

PUMA/Klabin is required to monitor methods of collection, storage, handling, recycling, reuse and/or disposal of solid waste, and report these methods and measured quantities here during both construction and operational phases. Please complete the information below with information i) from the pulp mill and associated operations and ii) from the mill's port terminal.

GENERATION OF SOLID WASTE – PUMA I								
Solid Waste Type	Month Quantity (tonne)						Method of Storage, Handling and/or Treatment	Method of Recycling, Reuse or Disposal ²⁵
	Jul	Aug	Sep	Oct	Nov	Dec		
Sand	363	416	493	533	205	90	Dumpster	Recycling
Biomass	4	0	2	15	1	44	Dumpster	Composting
Sweep Biomass Wood Stock	1939	1178	1117	1397	2005	1942	Dumpster	Composting
Lime Gray	436	376	330	206	127	237	Dumpster	Agricultural and forestry use
Sulphate Ashes	0	0	0	0	0	0	Dumpster	Agricultural and forestry use
Biomass ash	1287	1310	1291	1710	1781	1858	Dumpster	Agricultural and forestry use
Burnt Lime	221	803	744	768	509	131	Dumpster	Agricultural and forestry use
Dregs	1027	1274	1260	1233	1411	1261	Dumpster	Agricultural and forestry use
Grits	280	255	181	205	384	344	Dumpster	Agricultural and forestry use
Caustic Mud	539	1925	17	5226	0	0	Dumpster	Agricultural and forestry use
Sand Sludge - PMAD	83	76	71	104	80	75	Dumpster	Recycling
Primary Sludge (Fiber Disposal)	1763	2515	6239	5925	5154	3764	Dumpster	Recycling
Secondary Sludge (Biological)	3774	4044	3658	4253	4599	5278	Dumpster	Composting
Tertiary Sludge (Chemical)	2550	3114	3030	4253	3960	3353	Dumpster	Agricultural and forestry use
Pinus Reject - Stick	148	110	451	105	141	141	Dumpster	Energy use
Pinus Reject - Knot	46	36	61	45	61	32	Dumpster	Energy use
Eucalyptus Reject	0	39	30	13	0	3	Dumpster	Energy use
Eucalyptus Tailings	67	32	23	60	75	30	Dumpster	Energy use

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Wood	8	14	8	9	11	10	Dumpster	Reuse and Energy
Metal	15	19	9	10	13	13	Dumpster	Recycling
Organic waste	92	86	71	77	65	31	Dumpster	Recycling
Paper	15	18	101	57	17	52	Dumpster	Recycling
Plastic	7	8	8	9	4	4	Dumpster	Recycling
Junk Waste	0	0	0	20	146	75	Dumpster	Landfill
Ground	4	10	7	10	0	0	Dumpster	Reuse
Inert / Concrete / Rubble	84	124	25	98	31	54	Dumpster	Reuse

GENERATION OF SOLID WASTE – PARANAGUÁ PORTS								
<i>Solid Waste Type</i>	<i>Month Quantity (tonne)</i>						<i>Method of Storage,</i>	<i>Method of Recycling,</i>
	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Handling and/or Treatment</i>	<i>Reuse or Disposal²⁵</i>
Non-recyclable	2,74	3,0	1,73	1,87	3,55	1,34	Dumpster	Private landfill
Recyclable	0,45	0,58	0,52	0,5	0,41	0,59	Dumpster	Recycling

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<i>Solid Waste Type</i>	GENERATION OF NON-HAZARDOUS SOLID WASTE – PUMA II PROJECT								
	<i>Month Quantity (tonne) Solid Waste Type</i>								
	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	Total 2 SEM 2021	Method of Storage	Method of Treatment
Organic	122,68	93,37	66,18	60,65	38,34	8,88	390,10	Dumpster	Composting
Non-recyclable	106,31	82,3	39,11	28,36	20,93	1,86	278,87	Dumpster	Private landfill
Paper	103,39	87,14	52,97	54,05	22,57	8,68	328,80	Dumpster	Recycling
Plastic	79,13	55,54	41,54	57,27	17,38	3,72	254,58	Dumpster	Recycling
Metal	33,42	23,55	21,89	20,00	69,17	14,03	182,06	Dumpster	Recycling
Wood	190,67	205,84	143,76	139,49	184,69	104,54	968,99	Dumpster	Biomass
Glass	0,23	0,131	0,68	0,15	0,570	0,110	1,87	Steel Drum	Recycling
Concrete	373,78	231,25	429,73	838,15	915,33	42,14	2.830,38	Dumpster	Reuse
Total per Month	1.009,61	779,12	795,86	1.198,12	1.268,98	183,96	5.235,65	-	-

Critical review:

The generation of waste is within the normal range, as expected by the project.

We always prioritize recycling and reuse.

Hazardous materials are those materials that represent an excessive risk to property, the environment or human health because of their physical and/or chemical characteristics. Examples include explosives, toxic or flammable gases, flammable liquids and solids, oxidizing substances, radioactive materials and corrosive substances.

PUMA/Klabin is required to monitor methods of collection, storage and disposal of hazardous materials²⁶, and report these methods and measured quantities here. Please refer to the IFC General Environmental, Health and Safety Guidelines / Hazardous Materials Management for additional information. Please complete the information below with information from the pulp mill and associated operations. and ii) from the mill's Paranaguá port terminal.

²⁵ Describe disposal method (e.g. landfill, incineration, land farming, reuse, etc.) Provide name and location of disposal facility used; state if waste is sold as byproduct, scrap or a material to be used by others; state name and business of purchaser. Provide additional sheets as needed to fully describe disposal, organizations involved in waste management, facility permits, and agency authorizations.

²⁶ Hazardous materials include ignitable, reactive, flammable, radioactive, corrosive and toxic substances.

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Hazardous Materials Management Summary – Puma I			
<i>Hazardous Material (Name and Number UN/CAS)</i>	<i>Class or divisio n²</i>	<i>Generation July-December 2021 (tonne)</i>	<i>Maximum Quantity Stored on Site (tonne)</i>
Hazardous Waste Produced			
Chemical Product Packaging (Paints, Solvents And Resins) – IBAMA n° 15 02 02	9	11,508	50,00
PPE's IBAMA n° 15 02 02	9	0,828	
Fluorescent lamps IBAMA n° 20 01 21	2	2,540	

² UN classification (1. Explosives; 2. Gases; 3. Flammable liquids; 4. Flammable solids; 5. Oxidizing substances; 6. Toxic and infectious substances; 7. Radioactive material; 8. Corrosive substances; 9. Miscellaneous hazardous materials.)

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Hazardous Materials Management Summary – Puma I			
<i>Hazardous Material (Name and Number UN/CAS)</i>	<i>Class or divisio n²</i>	<i>Generation July-December 2021 (tonne)</i>	<i>Maximum Quantity Stored on Site (tonne)</i>
Flammable Liquids (Paints, Solvents, Glues and Fuel) IBAMA n° 20 01 13	3	5,440	
Stacks IBAMA n° 16 06 04	6	0	
Various Contaminated Solids (Tows, Cloths, Filters And Etc) IBAMA n° 15 02 02	9	0,350	
Soil Contaminated with Oil and Grease IBAMA n° 19 13 01	9	0,690	
Electronic Scrap IBAMA n° 16 02 16	6	0,167	

<i>Parameters (Same Parameters as Above)</i>	<i>PUMA/Klabin’s Method of Storage, Handling and/or Treatment³</i>	<i>PUMA/Klabin’s Method of Disposal⁴</i>
Hazardous Waste Produced		
Chemical Product Packaging (Paints, Solvents And Resins) – IBAMA n° 15 02 02	Steel Drum	Private Solid Waste Landfill
PPE's IBAMA n° 15 02 02	Steel Drum	Private Solid Waste Landfill
Fluorescent lamps IBAMA n° 20 01 21	Steel Drum	Decontamination
Flammable Liquids (Paints, Solvents, Glues and Fuel) IBAMA n° 20 01 13	Steel Drum	Private Solid Waste Landfill
Stacks IBAMA n° 16 06 04	Steel Drum	Private Solid Waste Landfill

³ State how hazardous materials / waste is stored on site (e.g. drums, bins, and other containers) and handled (including transported). Provide additional sheets as needed to fully describe disposal, organizations involved in management, locations of facilities, facility permits and agency authorizations.

⁴ Report on method of disposal for hazardous waste used only.

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<i>Parameters (Same Parameters as Above)</i>	<i>PUMA/Klabin's Method of Storage, Handling and/or Treatment³</i>	<i>PUMA/Klabin's Method of Disposal⁴</i>
Various Contaminated Solids (Tows, Cloths, Filters And Etc) IBAMA n° 15 02 02	IFC Loan Number 42138 Steel Drum	Private Solid Waste Landfill
Soil Contaminated with Oil and Grease IBAMA n° 19 13 01	Steel Drum	Private Solid Waste Landfill
Electronic Scrap IBAMA n° 16 02 16	Steel Drum	Private Solid Waste Landfill

Hazardous Materials Management Summary – Paranaguá Ports			
<i>Hazardous Material (Name and Number UN/CAS)</i>	<i>Class or division⁵</i>	<i>Generation July-December 2020 (tonne)</i>	<i>Maximum Quantity Stored on Site (tonne)</i>
Hazardous Waste Produced			
Miscellaneous hazardous materials (IBAMA nº 17 09 03)	9	3,29	5

<i>Parameters (Same Parameters as Above)</i>	<i>PUMA/Klabin's Method of Storage, Handling and/or Treatment⁶</i>	<i>PUMA/Klabin's Method of Disposal⁷</i>
Hazardous Waste Produced		
Miscellaneous hazardous materials (IBAMA nº 17 09 03)	Steel Drum	Industrial Solid Waste Landfill

5 Hazardous Materials Management Summary – Puma II Project (tonne)									
<i>Hazardous Material (Name and Number UN/CAS)</i>	<i>Class or division⁸</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Total</i>	<i>Maximum Quantity Stored on Site</i>

⁵ UN classification (1. Explosives; 2. Gases; 3. Flammable liquids; 4. Flammable solids; 5. Oxidizing substances; 6. Toxic and infectious substances; 7. Radioactive material; 8. Corrosive substances; 9. Miscellaneous hazardous materials.)

⁶ State how hazardous materials / waste is stored on site (e.g. drums, bins, and other containers) and handled (including transported). Provide additional sheets as needed to fully describe disposal, organizations involved in management, locations of facilities, facility permits and agency authorizations.

⁷ Report on method of disposal for hazardous waste used only.

⁸ UN classification (1. Explosives; 2. Gases; 3. Flammable liquids; 4. Flammable solids; 5. Oxidizing substances; 6. Toxic and infectious substances; 7. Radioactive

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<i>Parameters (Same Parameters as Above)</i>	<i>PUMA/Klabin's Method of Storage, Handling and/or Treatment⁶</i>					<i>PUMA/Klabin's Method of Disposal⁷</i>			
Hazardous Waste – Generation									
Miscellaneous hazardous materials (IBAMA nº 17 09 03)	9	20,99	14,41	0	4,82	17,60	0,00	176,51	50,00
Hazardous Waste – Disposal for Industrial Solid Waste Landfill									
Miscellaneous hazardous materials (IBAMA nº 17 09 03)	9	27,10	42,94	15,21	17,02	9,33	7,09	118,69	-
Hazardous Waste – Disposal for Co-processing									
Miscellaneous hazardous materials (IBAMA nº 17 09 03)	9	20,99	14,41	0	4,82	17,60	0,00	57,82	-
Hazardous Waste – Storage									
Miscellaneous hazardous materials (IBAMA nº 17 09 03)	9	0	0	0	0	0	0	0	50,00

<i>Parameters (Same Parameters as Above)</i>	<i>PUMA/Klabin's Method of Storage, Handling and/or Treatment⁹</i>	<i>PUMA/Klabin's Method of Disposal¹⁰</i>
Hazardous Waste Produced		
Miscellaneous hazardous materials (IBAMA nº 17 09 03)	Steel Drum	Industrial Solid Waste Landfill

material; 8. Corrosive substances; 9. Miscellaneous hazardous materials.)

⁹ State how hazardous materials / waste is stored on site (e.g. drums, bins, and other containers) and handled (including transported). Provide additional sheets as needed to fully describe disposal, organizations involved in management, locations of facilities, facility permits and agency authorizations.

¹⁰ Report on method of disposal for hazardous waste used only.

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Critical review:

We have developed a new supplier to waste treatment for co-processing, prioritizing reuse.

²⁷UN classification (1. Explosives; 2. Gases; 3. Flammable liquids; 4. Flammable solids; 5. Oxidizing substances; 6. Toxic and infectious substances; 7. Radioactive material; 8. Corrosive substances; 9. Miscellaneous hazardous materials.)

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4.8 Forest Plantation Management

²⁸ State how hazardous materials / waste is stored on site (e.g. drums, bins, and other containers) and handled (including transported). Provide additional sheets as needed to fully describe disposal, organizations involved in management, locations of facilities, facility permits and agency authorizations.

²⁹ Report on method of disposal for hazardous waste used only.

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Provide summarized information on forestry activities (e.g. harvesting volumes/species, new hectares planted/reformed) for the reporting period.

		Area acquired/secured during the reporting period	Total land area	% of area under forest plantation	% of area under forest plantation that is certified	Type of FSC and any other relevant certificate(s)
		(No. hectares)				
Plantation under proprietary management	Klabin	7.104	348.334	43%	89%	FM and CoC
	Vale do Corisco	0	47.867	47%	98%	FM and CoC
	Sapopema*	1.187	30.264	63%	68%	FM and CoC
Plantation under Third Party management	Figueira*	0	15.524	73%	96%	FM and CoC
	Forest Fostering Program	131	35.874	59%	2%	FM and CoC
Total		8.422	477.862			

*Sapopema and Figueira is the agreements for the association with a Timber Investment Management Organization ("TIMO") to constitute a Specific Purpose Vehicle Company ("SPV"), whose main objective shall be the exploitation of the forestry activity in the State of Paraná.

Amount of wood raw material processed in Puma industrial complex during the reporting period:

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	Quantity	Unit		Quantity	Unit
From plantations managed by Klabin – FSC certified	1.511.518	Ton	From plantations managed by Klabin – FSC certified		
From plantations managed by Klabin – not FSC certified	-	Ton	From plantations managed by Klabin – not FSC certified		
From third parties – FSC certified	1.543.939	Ton	From third parties – FSC certified		
From third parties – not FSC certified	766.223	Ton	From third parties – not FSC certified		
Number of third parties	118		Number of third parties		

Please report any significant fires that have occurred.

Klabin invests in fire prevention through training crew in property protection. Also, there is the project which consists of installing 18 towers with a height of up to 60 meters with long-range high-definition cameras (25 km radius), which will increase monitoring coverage to approximately 320,000 ha of forests. Images will be processed for automatic detection of events and their location, for mobilization of responsible crew. Between July and December 2021, 1,641 hectares were impacted by fires.

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Please provide copies of post-certification audits.

Audit reports are public and available at the following websites:

<https://info.fsc.org/certificate.php#result>

<https://www.pefc.org/find-certified>

• 5 SOCIAL AND ECONOMIC IMPACT MANAGEMENT / COMMUNITY DEVELOPMENT

5.1 Labor Relations and workforce development

Please report separately i) the pulp mill and associated facilities, ii) pulp mill’s Paranaguá port, iii) eucalyptus and pine plantation operations and iv) transport operations in the chapters “Workforce”, “Worker’s organization” and “Workers’ grievance mechanism”.

PUMA I

Workforce

<i>Type of employee</i>	<i>Total Number for Reporting Period</i>	<i>Category of employee Total Number for Reporting Period</i>	
<u>Direct employees</u>	<u>1.228</u>	Men: 1.025 Female: 263	(*) Management level: 68 (09 women) Workers: 1.160
Contracted employees ³⁰	<u>1.198</u>	Men: 929 Female: 269	Management level: 94 (14 women) Workers: 1.104

Management level include: Director, manager, coordinator and consultant/specialist

³⁰ Contracted directly by the Klabin

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<i>Type of employee</i>	<i>Total Number for Reporting Period</i>	<i>Category of employee</i> <i>Total Number for Reporting Period</i>	
<u>Supply Chain employees</u> ³¹	<u>N/A</u>	Men: Female:	Management level: Workers:

Workforce (PUMA I) ii) pulp mill's Paranaguá port,

<i>Type of employee</i>	<i>Total Number for Reporting Period</i>	<i>Category of employee</i> <i>Total Number for Reporting Period</i>	
<u>Direct employees</u>	<u>06</u>	Men: 05 Female: 01	(* Management level: 02 (00 women) Workers: 04
<u>Contracted employees</u> ³⁰	<u>161</u>	Men: 152 Female: 09	Management level: 02 (01 women) Workers: 159

(*) Management level include: Director, manager, coordinator and consultant/specialist³⁰ Contracted directly by the Klabin**Worker's organization**

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<i>Workers organization</i>	<i>Description</i>
<u>Trade unions or worker organizations/committee in workplace</u>	SINDICATO DO PAPEL E CELULOSE – Factory worker representative
<u>Meetings with workers' organization representatives in workplace</u>	<ul style="list-style-type: none"> • Number of meetings: 05 • Name of Trade union or worker organization: <i>The above mentioned.</i> • Frequency of meetings: <i>Whenever required by any of the parts</i>

³¹ Employees hired through sub-contractors and/or intermediaries, including plantation, transport and shipping operations.

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<i>Workers organization</i>	<i>Description</i>
<u>Collective bargaining agreements</u>	<ul style="list-style-type: none"> • Collective Bargaining Agreement signed on: 19/11/21 • The parties sign the agreement: company and union. • Number of employees covered under collective bargaining agreement: <i>Approximately 1,400.</i>

³¹ Employees hired through sub-contractors and/or intermediaries, including plantation, transport and shipping operations.

Workers' grievances

TYPE OF GRIEVANCE	RECEIVED		INVESTIGATED		RESOLVED	
	Direct employees	Contracted employees	Direct employees	Contracted employees	Direct employees	Contracted employees
Overtime Pay	0	0	0	0	0	0
Food	0	0	0	0	0	0
Benefits	0	0	0	0	0	0
Covid & Covid protocol)	0	0	0	0	0	0
<i>Leadership</i>	0	0	0	0	0	0
Transportation	0	0	0	0	0	0
Infrastructure (repair in general)	0	0	0	0	0	0
HR Department	0	0	0	0	0	0
Sexual Harassment	0	0	0	0	0	0

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- Has there been a state inspection on labor or occupational health and safety matters during the period now reported? Please describe. What corrective action has been taken/will be taken by the Company if any is required?
No.
- Have there been court cases brought by employees or trade unions based on alleged labor law violations during the period now reported? Please describe. What corrective action has been taken/will be taken by the Company if any is required?
No.
- In relationship with the whistle-blower policy, has any kind of information or activity that is deemed illegal, unethical, or not correct within the organization has been denounced/exposed? Please describe. What corrective action has been/will be taken by the Company if any is required
No.

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- Has there been labor unrest, strikes or other industrial disputes during the period now reported? What corrective action has been taken/will be taken by the Company if any is required? Please describe in the following table.

Does not apply

<i>Date of event</i>	<i>Event description</i>	<i>Affected people/environment</i>	<i>Reports sent to local regulatory agencies</i>	<i>Corrective actions (including cost and time schedule for implementation)</i>
Does not apply	Does not apply	Does not apply	Does not apply	Does not apply

Local workforce development (PUMA I)

- Summarize actions to strengthen participation of local labor and report the following statistics:

An agreement with the Secretary of Family, Justice and Labor was reached in order to involve around 176 employment agencies all over the State of Paraná aiming at giving local workers the priority in applying for the available vacancies.

That was as plus, as 88.9% of all workers employed in the State of Paraná were hired in Ortigueira, Imbaú and Telêmaco Borba, as shown in the charts bellow:

- Permanent and Temporary (part-time jobs) provided (#) from local region or state of Parana.

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ORIGIN OF WORKFORCE	DEC
TELÊMACO BORBA	1.036
ORTIGUEIRA	167
IMBAÚ	47
OTHER CITIES FROM PARANÁ	56
OTHER STATES	100
FOREIGNERS	-
TOTAL WORKERS ON SITE	1.406
% LOCAL LABOR (PARANÁ*)	92,89%

EMPLOYMENT PER GENDER		
MEN	1.130	80,37%
WOMEN	276	19,63%

- Indirect Permanent and Temporary (part-time jobs) provided by Contractors (#)
N/A
- Total amount of Wages (US\$)
- (US\$) 1,11MM/Month
- Community member enrolled/trained (#)
No activities were carried out in terms of professional qualification involving community members due to the restrictions imposed by the protocol for covid-19 prevention and combat, as recommended by the Brazilian authorities.
- Scholarships awarded (#)
No scholarships were awarded, due to restrictions imposed by the protocol for preventing and combating covid-19.

PUMA II**Workforce (PUMA II Fase I)**

<i>Type of employee</i>	<i>Total Number for Reporting Period</i>	<i>Category of employee</i> <i>Total Number for Reporting Period</i>
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<u>Direct employees</u>	<u>181</u>	Men: 123 Female: 58	(* Management level: 49 (03 women) Workers: 132
Contracted employees ³⁰	<u>09</u>	Men: 09 Female: 0	Management level: 09 Workers: 0

(* Management level include: Director, manager, coordinator and consultant/specialist

³⁰ Contracted directly by the Klabin

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<i>Type of employee</i>	<i>Total Number for Reporting Period</i>	<i>Category of employee</i> <i>Total Number for Reporting Period</i>	
<u>Supply Chain employees</u> ³¹	N/A	Men: Female:	Management level: Workers:

Worker’s organization (PUMA II Fase I)

<i>Workers organization</i>	<i>Description</i>
<u>Trade unions or worker organizations/committee in workplace</u>	SINTRAPAV – Represents workers of the industry of Heavy Construction sector SINTRACON – Represents workers of the Civil Construction sector
<u>Meetings with workers' organization representatives in workplace</u>	<ul style="list-style-type: none"> • Number of meetings: 02 • Name of Trade union or worker organization: <i>The above mentioned.</i> • Frequency of meetings: <i>Whenever required by any of the parts</i>
<u>Collective bargaining agreements</u>	<ul style="list-style-type: none"> • Collective Bargaining Agreement signed on: 12/07/21 • Parties signing agreement: <i>Both labor unions above-mentioned and the civil construction and Assembling Co.</i> • Number of employees covered under collective bargaining agreement: <i>Approximately 9,000.</i>

³¹ Employees hired through sub-contractors and/or intermediaries, including plantation, transport and shipping operations.

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TYPE OF GRIEVANCE	RECEIVED		INVESTIGATED		RESOLVED	
	Direct employees	Contracted employees	Direct employees	Contracted employees	Direct employees	Contracted employees
Overtime Pay	0	1	0	1	0	1
Food	0	29	0	29	0	29
Benefits	0	73	0	73	0	73
Covid & Covid protocol)	0	8	0	8	0	8
Leadership	0	60	0	60	0	60
Transportation	0	41	0	41	0	41
Infrastructure (repair in general)	0	10	0	10	0	10
HR Department	0	26	0	26	0	26
Sexual Harassment	0	1	0	1	0	1

- Has there been a state inspection on labor or occupational health and safety matters during the period now reported? Please describe. What corrective action has been taken/will be taken by the Company if any is required?
NO.
- Have there been court cases brought by employees or trade unions based on alleged labor law violations during the period now reported? Please describe. What corrective action has been taken/will be taken by the Company if any is required?
NO.
- In relationship with the whistle-blower policy, has any kind of information or activity that is deemed illegal, unethical, or not correct within the organization has been denounced/exposed? Please describe. What corrective action has been/will be taken by the Company if any is required
NO.
- Has there been labor unrest, strikes or other industrial disputes during the period now reported? What corrective action has been taken/will be taken by the Company if any is required? Please describe in the following table.
NO.

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<i>Date of event</i>	<i>Event description</i>	<i>Affected people/environment</i>	<i>Reports sent to local regulatory agencies</i>	<i>Corrective actions (including cost and time schedule for implementation)</i>
Does not apply	Does not apply	Does not apply	Does not apply	Does not apply

Local workforce development (PUMA II Fase I)

- Summarize actions to strengthen participation of local labor and report the following statistics:

An agreement with the Secretary of Family, Justice and Labor was reached in order to involve around 176 employment agencies all over the State of Paraná aiming at giving local workers the priority in applying for the available vacancies.

That was as plus, as more than 55.5% of all workers employed in the State of Paraná were hired in Ortigueira, Imbaú and Telêmaco Borba, as shown in the charts bellow:

- Permanent and Temporary (part-time jobs) provided (#) from local region or state of Parana.

ORIGIN OF WORKFORCE	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL WORKERS ON SITE	7591	5984	4553	3386	2756	1779
WORKERS FROM PARANÁ	3761	2895	2228	1738	1386	824
WORKERS FROM OTHER STATES	3830	3089	2325	1648	1370	955
FOREIGNERS	65	60	56	53	51	10
% LOCAL LABOR (PARANÁ*)	49,55%	48,38%	48,93%	51,33%	50,29%	46,32%

LOCAL LABOR PARTICIPATION (*)		
ORIGIN	TOTAL WORKERS	%
PARANÁ STATE	12832	100%
ORTIGUEIRA	1245	9,70%
IMBAÚ	450	3,51%
TELÊMACO BORBA	5441	42,40%

(*) The numbers above represent cumulative workforce on site along the 2nd. Semester/21.

- Indirect Permanent and Temporary (part-time jobs) provided by Contractors (#)
N/A

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- Total amount of Wages (US\$)
N/A
- Community member enrolled/trained (#)
No activities were carried out in terms of professional qualification involving community members due to the restrictions imposed by the protocol for covid-19 prevention and combat, as recommended by the Brazilian authorities.
- Scholarships awarded (#)
No scholarships awarded, as training programs were concluded in the first semester. Other training programs were cancelled due to the restrictions imposed by the covid-19 prevention and combat protocol.

5.2 Community Relations

Please describe specific activities undertaken by the Company to address any such potential negative impact of the project on the local community, that are not covered by the Chapter 8 Progress on implementing the environmental and social action plan (ESAP) – i.e. activities and/or resolutions of the Anthropoc Monitoring Committee, etc.

Anthropic Monitoring Program and Committee

The **Anthropic Monitoring Program's main objective is to monitor the socioenvironmental and economic impacts** in the cities of Ortigueira Telêmaco Borba and Imbaú, Project Puma II's Direct Influence Area (AID).

In order to assist the monitoring and support the implementation of preventive and mitigation measures, at the end of 2013, during Project Puma I, the Anthropoc Monitoring Committee was created. The Committee is composed of Klabin members and municipal representatives of the Secretariats of Social Assistance, Health, Education and Finance of the three municipalities of AID, State Regional of Health, State Regional Nucleus of Education and Secretariat of Public Security, Public Prosecutor, as well as other institutional representatives, such as members of the City Council and local trade associations.

The Anthropoc Monitoring Committee's goal is to **analyze and act** on identified impacts that may occur related to the **possible population growth** in the municipalities, due to migration of labors or people seeking for job opportunities.

In Project Puma I, the Anthropoc Monitoring Committee meetings occurred monthly until October of 2016. After this, its members defined to change the frequency – once every four months. This situation kept until May of 2019, when the monthly meetings started to occur again, after the announcement of Project Puma II. The members of the Committee decided, in a workshop in 06/19/2019, the indicators to be monitored monthly that may indicate impact due to workers' temporary migration. From July to December of 2021, there were 5 Anthropoc Monitoring Committee meetings, as described below:

<i>Date</i>	<i>Description</i>	<i>Public (Including Klabin's staff)</i>	<i>Location</i>
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07/29/21	Anthropic Monitoring Committee Meeting	9	Remote Meeting (via Microsoft Teams)
08/26/21	Anthropic Monitoring Committee Meeting	7	Remote Meeting (via Microsoft Teams)
09/30/21	Anthropic Monitoring Committee Meeting	4	Remote Meeting (via Microsoft Teams)
10/28/21	Anthropic Monitoring Committee Meeting	5	Remote Meeting (via Microsoft Teams)
11/25/21	Anthropic Monitoring Committee Meeting	2	Remote Meeting (via Microsoft Teams)

As informed in the last ESCR, the first meetings of 2020 have occurred in the Puma Mill in order to maximize participation, considering its location (right in between the three Municipalities). Between March and May of 2020, due to the pandemic scenario and the World Health Organization's (WHO) recommendations, there were no face-to-face meetings. In spite of this, data and information continued to be monitored and shared by e-mail. As soon as the members adapted to the remote work conditions, the Committee decided to have its first remote meeting in June – the formula continued until the end of 2020 and initial meetings of 2021 were remote as well.

07/29/2021 Meeting – Remote (Microsoft Teams):

About 9 people logged in, such as municipal secretariats and officials of Ortigueira, Telêmaco Borba and Imbaú City Halls, Health and Educational Regional Nucleolus, the Civil and Military Police Forces and the Commerce and Industry Association of Telêmaco Borba (ACITEL).

The meeting consisted on data presentation and evaluation in the 5 macro themes of each Municipality (health, security, education, finances and social assistance). No significant changes or impacts observed, only the ones caused by the pandemic scenario, especially in Social Assistance and Education sectors.

Meeting report in annex.

08/26/2021 Meeting – Remote (Microsoft Teams):

About 7 people logged in, such as municipal secretariats and officials of Ortigueira, Telêmaco Borba and Imbaú City Halls, Health and Educational Regional Nucleolus and the Civil and Military Police Forces.

The meeting consisted on data presentation and evaluation in the 5 macro themes of each Municipality (health, security, education, finances and social assistance). No significant changes or impacts observed.

Meeting report in annex.

09/30/2021 Meeting – Remote (Microsoft Teams):

113717.0219127 WAS 330931v15

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About 4 people logged in, such as municipal secretariats and officials of Ortigueira, Telêmaco Borba and City Halls, the Health and Educational Regional Nucleolus and Military Police Force.

The meeting consisted on data presentation and evaluation in the 5 macro themes of each Municipality (health, security, education, finances and social assistance). No significant changes or impacts observed.

Meeting report in annex.

10/28/2021 Meeting – Remote (Microsoft Teams):

About 5 people logged in, such as municipal secretariats and officials of Ortigueira, Telêmaco Borba and Imbaú City Halls, the Health and Educational Regional Nucleolus and Civil Police Force.

The meeting consisted on data presentation and evaluation in the 5 macro themes of each Municipality (health, security, education, finances and social assistance). No significant changes or impacts observed.

Meeting report in annex.

11/25/2021 Meeting – Remote (Microsoft Teams):

Last meeting of the year. About 2 people were present at the meeting, such as municipal secretariats and officials of Ortigueira, Telêmaco Borba City and Imbaú Halls and Civil and Military Police Forces.

The meeting consisted on data presentation and evaluation in the 5 macro themes of each Municipality (health, security, education, finances and social assistance). No significant changes or impacts observed.

Meeting report in annex.

Have there been any grievances lodged by members of the community or local authorities against the Company? Please describe. What corrective action has been/will be taken by the Company if any is required.

Besides the ones received through Klabin Ombudsman, there were no formal grievances by member of the community or local authorities against the Company.

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Provide a summary of grievances lodged by members of the community – including its method such as phone calls, notification to personnel, written complain - directly to Klabin and how the issues were managed.

- Klabin Ombudsman and summary of grievances

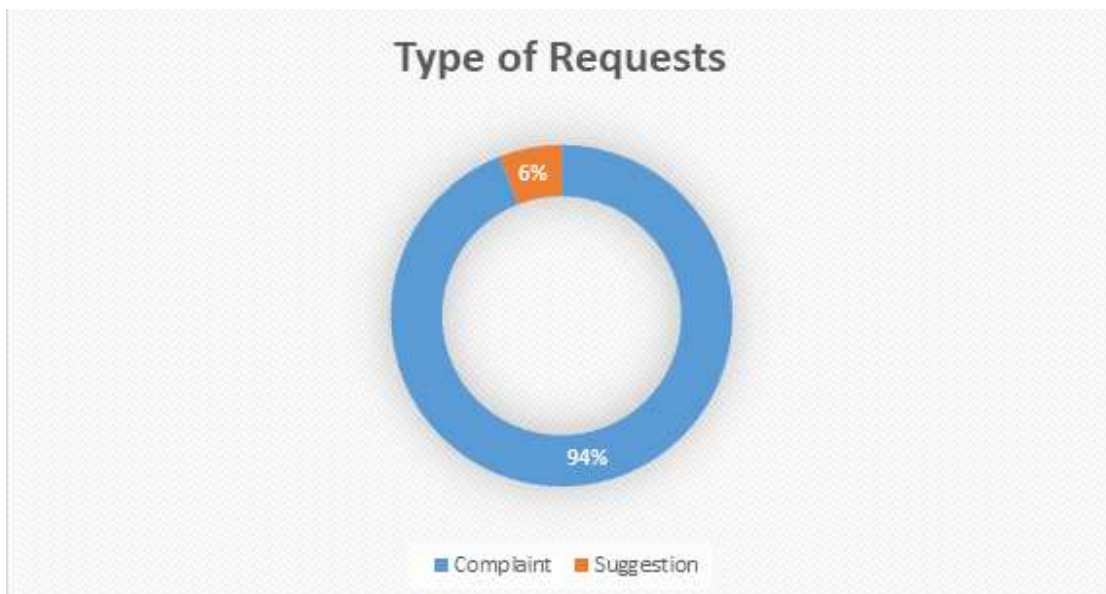
The ombudsman consists in a group of communication tools in which the objective is to develop the company's dialogue and relation with the population of its area of influence – considering the Puma and Monte Alegre mills, Forestry and the projects (such as Puma II).

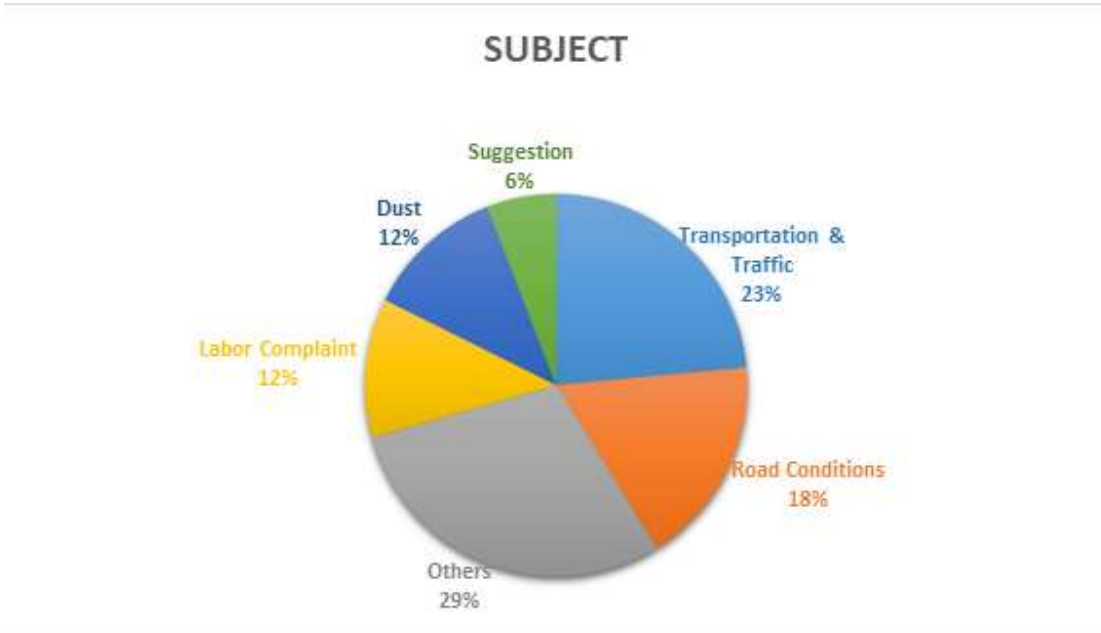
The requests received by e-mail (faleklabinpr@klabin.com.br), phone calls (0800 728 0607) or Social Media (Facebook and WhatsApp) are monitored periodically in order to provide quick response and avoid conflicts of information.

Complaints related to Puma Mill and Project Puma II received from the community from July 1 to December 31, 2021:

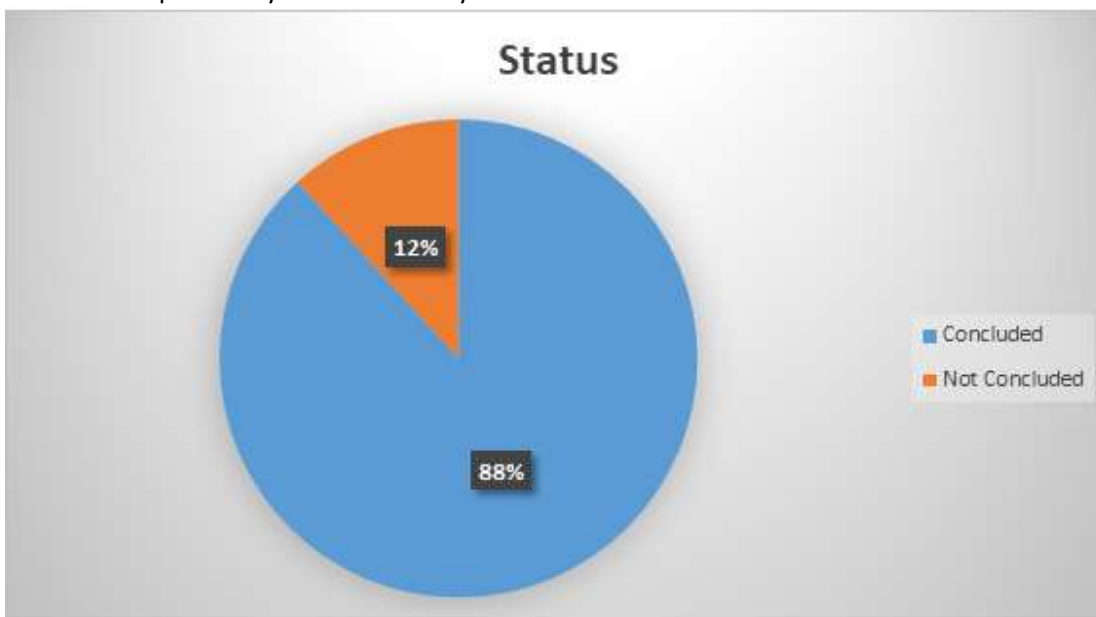
<i>Channel</i>	<i>Total</i>
Phone Call – 0800 (toll-free)	10
Social Media (WhatsApp Message)	7

The description and subjects related to the requests received through the ombudsman are described as below:





All demands related to Puma Mill and Project Puma II and Klabin were answered to claimants, as long as it was possible to identify the contacts. Additionally, all demands were forwarded to the responsible sectors for the appropriate measures – such as notifications for the dangerous drivers, for example. Evidences are archived with the Social Responsibility and Community Relations team and their effectiveness evaluated.



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How is information about the operations and/or environmental performance of the mill disseminated among the local community? Please describe.

The information about the operations and/or environmental performance of the mill is disseminated among the local community in different ways such as:

- **Meetings with the Communities**

Trimestral meetings with the neighboring rural communities (Campina dos Pupos, Volta Grande, Colônia Augusto Vitória, Lageado Bonito) and urban areas of Ortigueira, Telêmaco Borba and Imbaú (members of associations, Municipal Councils, religious leaders, etc.). The reunions objective is to present the Project Puma II, clarify questions and identify community demands.

The meetings would occur during the year, but due to the pandemic scenario and the World Health Organization's (WHO) recommendations, they had to be postponed. Klabin Staff maintain direct contact with stakeholders via telephone, WhatsApp and other communication channels. Remote meetings were not an option due to unstable internet connection, especially in the rural area. In addition, there are the Anthropic Monitoring Committee meetings – which contains members of the City Halls and Municipal Councils. Two of the public sector's responsibilities in the Committee are to bring demands and repass information to their citizens.

- **Klabin na Comunidade and presence in events**

Event organization (Klabin na Comunidade) and presence in municipal events. The two relationship actions have the objective to bring information about Klabin's activities (including Project Puma II), as well as clarify questions about any kind of issue/theme – that include presenting the projects and actions in the social, environmental and local development areas.

Events were supposed to start in March, but all of the predicted ones during the year were canceled due to the pandemic scenario and the World Health Organization's (WHO) recommendations.

- **Klabin na Comunidade Magazine**

Summary of all programs, projects and actions developed in the Campos Gerais region, in the State of Paraná – one edition per year. In December 2021, 45.000 editions were issue and distributed in 12 municipalities in Klabin's operational area – including Ortigueira, Telêmaco Borba and Imbaú. The majority was through random mail distribution, and the other part of the edition handled personally during the last month of the year – taking all the precautions regarding Covid-19.

In the edition, there is information about many of the Project Puma II's social programs and actions such as Matas Sociais, Public Management Support, Semeando Educação, and others.

PDF Version in annex.

- **Minuto Klabin (Radio) and Puma Radio**

Minuto Klabin is a radio program once every two weeks in 10 local radios and a website in the Campos Gerais area, especially in Ortigueira, Telêmaco Borba and Imbaú, Klabin's biggest area of influence. The program is 1 minute long with information about economic, environmental and social company activities.

The frequency and time of its propagation is determined by contract between Klabin and each one of the radio companies.

Puma Radio is a customized and exclusive platform for Project Puma II workers. It is an effective communication channel with the workers involved in the construction, and the Communications, Social Responsibility and Community Relations team develop its content, in a partnership with Agência Radioweb, experienced company in the segment of internal radios. Its content is divided in the following format: notes about public security, environment, public utility, forestry, etc., newsletters about Project Puma II and musical requests.

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The Puma Radio is available in the Social Center, Project's refectories, and in the Capital do Papel and Jardim Bandeirantes residential areas (in the refectory and leisure areas).

5.3 Community Development

Please provide details of such initiatives supported by the Klabin Community Development Plan or other institutions related to the PUMA Klabin project, that are not covered by the Chapter 8 Progress on implementing the environmental and social action plan (ESAP).

Examples of community development, outreach and socio-economic performance to be taken into account in the reporting are as follows:

- New business created in the region (area of indirect influence) as a result of the Project (#)
- Contribution to community development (spending on health, education, security, recreation: US\$)
- Contribution to community development facilities (#)
- Complaints received and resolved satisfactorily by government and community and any other case that hasn't been resolved and their nature (#)
- Narrative with actions to monitor spontaneous settlements (e.g. new occupations are identified/registered and communicated to local government), as well as to collaborate with information for the territorial development plans under development/implementation by the municipalities.
- Narrative with actions to strengthen local clinics and/or area hospitals
- Narrative with targeted actions to educate and raise awareness of potential safety risks; accident analysis, prevention, etc.
- Brief summary over purchases from local suppliers (industry and services/ US\$ and/or tons/units, etc)
- Taxes and other payments transferred to government (US\$)
- Programs designed to address women (# and US\$)
- Women benefited by Project programs and activities (#)

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- Programs designed to address indigenous peoples (# and US\$, and if at all possible differentiate by gender)
- Indigenous people benefited by Project's programs and activities (#)

Matas Sociais

Since 2015, the program helped more than 600 properties in Telêmaco Borba, Ortigueira, Imbaú and Reserva. It supports the familiar agriculture and helps small rural producers in all the production steps, since environmental adequacy to products commercialization in local markets. Also offers capacitation actions involving agricultural management, organic production and environmental education, among others.

After an interview with the participants, more than 70% of them affirmed that their income raised after the participation in Matas Sociais – 45% of those noticed an increment of 20 to 60% in their properties' income. In

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addition, half of them affirmed their network is now bigger and show better sales performance and production raise – registered in 57% of the consulted properties. Nowadays, their production is found in schools, Klabin Mills restaurants, and in local markets. There is a highlight in environmental issues as well: the utilization of pesticides reduced for 66% of the producers that now seek for new alternatives with the help of Matas Sociais' consultants. In 2019, the program started in the Municipalities of Sapopema, Curiúva, São Jerônimo da Serra, Tibagi e Cândido de Abreu. There were several planning meetings, institutional articulations and engagement actions in the new Municipalities to define communities, associations or cooperatives to participate in the program. After the diagnosis, planning and field actions started – at least 100 new properties will be participating.

Because of the pandemic scenario and social distancing matters, Matas Sociais had to adapt its actions. Locals were the agricultures sold their products closed or reduced its number of clients. The solution was to invest in technology: face-to-face meetings turned into remote meetings and a successful product delivery system was developed. In addition, a Podcast called "A Voz do Matas" was created and information is shared in the Matas Sociais agricultures' virtual group.

In 2020, Matas Sociais expanded to Santa Catarina State as well. Program actions continued aiming local and communities' development in 2021, including the expansion to other municipalities of Paraná and Santa Catarina. Program's results in 2021 are available in annex.

[<https://www.jornaluniao.com.br/noticias/agronegocio/klabin-apoia-criacao-de-central-de-cooperativas-no-parana/>]

Semeando Educação

The program offers consultant services to public schools directors and teachers, sharing methods and tools to improve the scholar management indicators, including formations about leadership and school community participation. Created in 2017, the program includes 31 public State schools in the Municipalities of Ortigueira, Telêmaco Borba and Imbaú, that registered a 23% improvement in the Basic Education Development Index (IDEB) after its implementation. Since 2019, the focus is on the Municipal public schools. In total, 11 thousand students, 65 schools and a thousand teachers impacted by Semeando Educação.

In March of 2020, after the Covid-19 pandemic, municipal schools of Paraná and other Brazilian States had their activities suspended. In this reason, the work's scope in face-to-face activities had to be reformulated. In April, while the teachers were still on recess, Klabin had meetings with the Municipal Secretariats of Education in Ortigueira, Imbaú and Telêmaco Borba to think of emergency actions facing the new scenario.

There was the development of a new scope of action, with synchronous and asynchronous activities for the teachers – such as home study and online meetings – to eliminate questions regarding the use of digital tools and proposal formats to use with the students in the e-learning modal, sharing good actions and examples as a way to inspire them. Resources such as e-books, website tips, videos, and other activities presented to the teachers, as well as examples on how to assist the students' parents to organize home study. There was the intense participation of the school assistants and coordinators as well, in order to synchronize and optimize all actions regarding the difficulties of the period.

In 2021, the work continued with its new scope, and expanded to other 11 municipalities: Tibagi, Reserva, Sapopema, Curiúva, Rio Branco do Ivaí, Ventania and Jaguariaíva (Paraná), Otacílio Costa, Correia Pinto and Lages (Santa Catarina) and Goiana (Pernambuco). Information about the program is available at its website [<https://semeandoeducacao.klabin.com.br/>].

Program's results in 2021 are available in annex.

Public Management Support

Support to the Municipalities of Ortigueira, Telêmaco Borba and Imbaú in the elaboration of their Plurennial Plan (Article 165 of the Federal Constitution) in the 2018-2021 period, in partnership with specialized consultant

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company. Its actions are monitored periodically through meetings with all the Government Secretariats and its results presented to the Mayor for decision-making.

The support was extended to Sapopema, Curiúva, Reserva and Tibagi in 2019 and its goal is to find the balance in the public accounts and capacitate municipal management teams.

In 2020, two new ways of supporting the Municipalities were implemented. A new Mobility Plan was developed in Ortigueira in order to improve transportation planning and the citizens' quality of life. It will be integrated to the Director Plan and other sectorial plans of Sanitizing and Social Interest Habitation.

In addition, an emergency support for all seven Municipalities was developed, aiming the crisis management caused by the pandemic scenario – it monitors risks and impacts of the situation and proposes actions based on the epidemiologic situation, stakeholders engagement, and maturity levels (regarding governance, communication, assistance and economic impacts) of each Municipality.

The program expanded to other municipalities in 2021, aligned with the new administrations that won at the 2020 Elections – the elaboration of their Plurennial in the 2021-2024 period started as well.

Program's results in 2021 are available in annex.

Território Empreendedor

In partnership with SEBRAE, Klabin offers opportunity of qualification for a total of 128 new entrepreneurs and business, as well as existing ones, in the municipalities of Ortigueira, Telêmaco Borba and Imbaú.

Território Empreendedor's actions focus in three pillars (Qualification, Entrepreneurship and Management) that provide to its public activities and experiences that contribute to organization and improvement of micro and small businesses, from their conception to new markets opening and innovation. All of programs orientations and solutions are based on the UN's SDG (Sustainable Development Goals).

In 2021, the Program Território Empreendedor launched "Negócio de Mulher", where the consulting and mentoring work was carried out exclusively for women entrepreneurs, with the participation of 163 women entrepreneurs from the region.

Program report of 2021 available in annex.

Support to Qualification in Forestry Operations

Investment of R\$ 23 Million (construction, technical laboratories, engineering executive projects for building, library and equipment's adaptation).

Klabin announced in 2019 a partnership with Paraná State Government and the Municipality of Ortigueira in the creation of the Forestry and Agricultural Professional Educational State Center in Ortigueira, the first technical school focused in the formation of forestry operators and heavy-machines mechanics in Brazil. Based on school models in Finland and Sweden, the new institution will have capacity for 800 alumni.

The project is located in the facilities that previously were designated to Project Puma I workers, but now exclusive for the community use. The company also supported their partners in the technical area and its specialized instructors will support the initial activities and in the contact with the main forestry equipment producers and other industries in the sector seeking future partnerships.

Paraná State Governor Carlos Roberto Massa "Ratinho" Júnior, Klabin's CEO Cristiano Teixeira and Lourdes Banach, Mayor of Ortigueira inaugurated the Forestry and Agricultural Professional Educational State Center on January 31, 2020.

As well as the majority of the educational institutions, the Forestry and Agricultural Professional Educational State Center and its professors and students had to adapt the educational method motivated by the pandemic situation. Although the dropout rate was 25%, it was lower than in other professional education centers.

Currently, there are 340 active students in three technical courses (Agribusiness, Forestry Operations and Maintenance of Heavy Machinery). Courses started in February in a hybrid model – part of the students in the

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classroom and part online.

Project MuDança

Since 2015 Klabin supports Project MuDança, at Casa da Criança Padre Lívio Donati, in Ortigueira. MuDança helps in physical, cultural and emotional development of 100 children and teenagers from 10 to 15 years-old, besides contributing to their social inclusion.

In 2021, pandemic period, classes were held in virtual format.

Artistic Gymnastics Project in Telêmaco Borba

Partnership with Municipality of Telêmaco Borba that guarantees sports development, contributing in the physical and cultural formation of young people in the region. There are 100 girls from 5 to 14 years-old training for free.

Klabin supports the Project in the gym's infrastructure management, such as carpets, fans and other resources. Besides this, hires the coach, Juliano Fulas, and collaborates in external events by paying hotel, transport, Food and Beverages expenses.

In 2021, pandemic period, classes were held in virtual format.

Social Educative Project Encantos do Imbaú

The Project is hold by the Serviço e Convivência e Fortalecimento de Vínculos in the Centro de Convivência do Idoso of the Municipal Secretariat of Social Assistance of Imbaú. Klabin's supports it by hiring the professional musicians that conduce the elderly coral and the guitar, flute, percussion and keyboard lessons for 200 participants. Even though in times of social distancing measures, the project is still going, the professors and students are in touch through online lessons and classes, contributing to sociocultural interaction, creativity, motor coordination and musical language development.

In 2021, pandemic period, classes were held in virtual format.

Bacia Escola Ribeirão Três Bocas – Jaguariaíva

The public supply of the municipality of Jaguariaíva is carried out through water abstraction from three sources, one of which is the Três Bocas watershed, owned by Klabin. The watershed area covers 489 ha, of which 287 ha are for planted forests and 119 ha for conservation.

The location and characteristics of the Três Bocas watershed are ideal for carrying out the hydrological monitoring of PROMAB/IPEF, while bringing together exceptional conditions for the implementation of the Bacia Escola project, taking into account the proximity to the city and the presence of institutions education, in addition to the performance of the municipality's sanitation company (SAMAE).

The Bacia Escola project, inspired by the work developed in the Brazilian Geological Service in Rio Catu, State of Bahia, has been an opportunity to generate and share knowledge as a study and experience area for different audiences especially for elementary school students (material elaboration and interpretive trails), as well as technical schools and universities. It is a contribution to the democratization of knowledge combined with the generation of shared value, which is one of the goals of companies in the search for sustainability.

The Indigenous Basic Environmental Plan (PBAI)

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The Indigenous Basic Environmental Plan (PBAI) of the Indigenous Component Study (ECI) of the Indigenous Lands (TI) of Queimadas and Tibagy-Mococa of Klabin S.A.'s Industrial Complex in Ortigueira, State of Paraná, was elaborated attending FUNAI's recommendations after the ECIs and is composed by four programs:

Program of Impact Monitoring in the Physical and Anthropic Environment;

Program of Revitalization of the Kaingang Education and Culture;

Program of Kaingang Ecological Corridors;

Program of Revitalization of the Kaingang Production Activities.

It is in course since 2017 Scholarship Management actions in University, Technical and Qualification Studies.

Currently, there are 26 students, 12 from TI Queimadas and 14 from TI Tibagy-Mococa. By the beginning of 2020 there were meetings with the students contemplated by the scholarships and the TI leaderships.

In 2019, 5 students from TI Tibagy-Mococa were the first ones graduated: Renato concluded his Bachelor's Degree in Dentistry at Ponta Grossa State University – UEPG, being the first indigenous person to finish this major at this university. Janaína, Zaqueu, Adrielle and Adriana concluded their Degree in Education. Four of the five are currently working at their communities (Renato is also working at TI Queimadas as a dentist).

In addition, in 2019 there was the inauguration of the infrastructure work in both Indigenous Lands (TI): one sports court, 2 computer rooms and 2 multimedia rooms, 1 playground and an artesian well in each community school. Besides this, an outdoor gym in each TI. In December of 2020 there was a new installation of the electrical facilities at the computer and multimedia rooms at TI Tibagy-Mococa.

In March of 2020, according to World Health Organization (WHO) and FUNAI's recommendations, the visits to Indigenous Lands (TI) were suspended. Only essential services were allowed, according to official document number 419 (article third, paragraph 5th). Klabin's teams worked in actions regarding the Program of Revitalization of the Kaingang Education and Culture in 2021 (Scholarship Management actions). Klabin has developed some actions at the location regarding Covid-19 prevention: PCR testing at the communities in September and December of 2020, mask and food supplies donations in 2020 and 2021.

A summary of all PBAI's actions during the current year is attached to the ESCR.

• 6 DATA INTERPRETATION AND CORRECTIVE MEASURES

Provide the following information for monitoring data which exceed Brazilian or IFC maximum levels. This refers to data presented in Chapter 5. Provide the information in the table for each parameter exceeded.

<i>Monitoring parameter that exceeds Brazilian or IFC guidelines</i>	<i>Cause for monitoring parameter exceeding</i>	<i>Corrective action plan and responsibility</i>	<i>Completion date</i>	<i>Cost/USD</i>	<i>%Complete/ Status</i>
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Does not apply	Does not apply	Does not apply	Does not apply	Does not apply	Does not apply
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7 PROGRESS ON IMPLEMENTING THE ENVIRONMENTAL AND SOCIAL ACTION PLAN (ESAP)

Item #	Basis of Applicable Requirements	Key Aspect	Key Corrective Actions	Evidence / Product	Priority	Deadline for Completion	Progress Status
8 2 8		Organizational Capacity and Competency	Analyze the social team's staffing needs (e.g. projected workload, team skills set, etc.) for the next five years to ensure it is adequately staffed and has the appropriate expertise.	Analysis of social's team workload and updated staffing plan.	CLOSED.	Three Months After Closing	CLOSED.
13 14 13		Management Programs and ESMS	Present updated social baseline for PUMA II and associated Social Investment Plan activities.	Scaled/Updated Social Investment Plan	HIGH	Three months after Closing	In partnership with Fundación Avina, Interação Urbana, Cidadela Editora, Diferencial Pesquisas and IPARDES, Klabin developed a Puma II social baseline for 12 municipalities of its area of influence, through the application of the Social Progress Index (SPI) methodology. Results

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							presented to the municipalities in a live event in January 2021. SPI Final presentation and updated social baseline for PUMA II in annex.
18 6 18		HR Management (Contractors Management)	Develop disciplinary procedures, and procedures to respond and investigate sexual harassment and gender-based violence (GBV) complaints. Assure mandatory training for contractors' workers and management. Assign a team of qualified individuals to handle sexual harassment and GBV complaints using a survivor-centered approach and ensuring confidentiality.	Documented procedures Communicating/training plan Evidence of conformation of a dedicated team to investigate/follow-up sexual harassment/GBV incidents.	HIGH	One Month after Closing	Social Responsibility and Community Relations team is aligned with the Integrity team to work along in the documented procedures. Integrity Channel's detailed procedures in annex. The GBV Prevention Plan started its actions in September. One of the primary actions was to capacitate 25 staff (including Corporate Integrity Channel and Puma II's Canal do Trabajador) in GBV prevention, active and emphatic listening and non-violent communication in order to have a survivor-

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							centered approach. Evidence of GBV Prevention Plan actions in 2020 and 2021 – available in annex.
26 9 24		HR Management (Gender Based Violence and Sexual Harassment)	Engage the services of specialized organization(s) to implement GBV prevention programs for target groups (children, adolescent groups, sex workers, etc.) in the Project area and in hotspots along transportation corridors. Identify, across the Project’s area of influence, gaps in psychosocial, medical, police and judicial response services to GBV survivors and present them to the Anthropic Monitoring Committee to provide support and continuously find ways of strengthening these services.	Engagement with third-party GBV specialized organization(s) and/or networks.	HIGH	One month after Closing	Klabin is working along with Childhood Brasil on engaging the public sector and the GBV prevention network. Scope of work, new schedule and contract available in annex. In addition, Klabin has some of the GBV Prevention Plan actions developed in order to strengthening the services (such as qualifications, communication plans and donations). Everything presented in the previous Anthropic Monitoring Committee meetings.
28 3 26		Human Resources	Confirm hiring of anthropologist to be in charge of the implementation of the Indigenous People action plan (PBAI).	TOR and contract of anthropologist.	CLOSED.	Three Months after Closing	CLOSED.

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29 12 27		Organizational Capacity and Competency	Put in place communication/training to prevent discrimination and harassment of traditional groups and communities (indigenous and non-indigenous) by Klabin's and contractor's personnel engaged in PUMA II as done for PUMA I.	Anti-discrimination/anti-harassment campaign.	CLOSED.	Three Months after Closing	CLOSED.
30 13 28		Organizational Capacity and Competency	Strengthen communication/training regarding procedures of relationship with traditional groups and communities (indigenous and non-indigenous) – mainly for drivers and workers in patrimonial security.	Updated communication/training plan.	MEDIUM	Three Months after Closing	New communication and training plan developed and approved by communication team and consultant Zezé Zachia, considering remote methods applicable to drivers and patrimonial security (in annex).

When applicable the Progress Status should include responsible of the conducted and pending actions.