

### 7.3 Compliance with Supervision Monitoring

The Concessionaire is complying with the Supervision observations. Between January and June 2020, the Supervision graded each Functional Unit according to its environmental performance. From the results, it can be interpreted that the Concessionaire is having an adequate environmental and social management. The lowest average grade is 89 % for UF3.2 and the highest rate is 98% for UF1, which complies with the management goals of the Concessionaire and the Supervisor of the Project.

Table 6 Compliance with Supervision monitoring



%	JAN	FEB	MAR	APR	MAY	JUN	Average
<b>UF 1</b>	98	98	98	97	97	97	<b>98</b>
<b>UF 2</b>	93	94	93	94	94	94	<b>94</b>
<b>UF 3.1</b>	91	93	93	91	91	92	<b>92</b>
<b>UF 3.2</b>	87	87	88	90	90	90	<b>89</b>
<b>UF 4</b>	96	96	97	99	99	99	<b>98</b>
<b>UF5</b>	97	97	97	97	94	94	<b>96</b>




## 8 Action Plan



To June 2020, the Action Plan has sixteen (16) activities. Nine (9) of them correspond to “on track” activities, six (6) are solved, and one (1) is a new action proposed after the site visit and the document review. It is important to clarify that some of the measures do not correspond to an ongoing non-compliance IFC Standards and Equator Principles III but are in the process of being implemented or are still pending implementation. The current status of the activities is shown in Table 7 and has been evaluated with the following color coding.




■ Solved     
 ■ On Track     
 ■ Pending     
 ■ New Action




Table 7. Environmental and Social Action Plan




No.	Proposed Action	Proposed Deadline	Status (Updated June 2020)	Color code
1	<p><b>Property Acquisition- Compensation mechanisms:</b> The Concessionaire is complying with the resettlement processes and land acquisition according to the national Resolution no. 545, 2008 - ANI and the appendixes 7 and 8 for the Concession Agreement. The Concessionaire should evaluate economic, legal and social aspects of the new resettlement properties and follow up the adaptation of their owners for at least one year.</p> <p>Arup request the Concessionaire to report in the next period all the strategies are being implemented for the relocation processes in UF 5 and the approval of the EER regarding delays in the construction schedule.</p> <p><b>UF: 5</b> <b>PS/EP:PS5</b></p>	Biannual – Next Envi. And social report.	<p>According to the updated information given by the Concessionaire, UF5 is distributed in 39 properties and 533 housing units. Based on the property characteristics, from the 533 housing units, the Concessionaire has to relocate 294.</p> <p>However, the lack of real state supply in the area for land restitution has resulted in difficulties for complying with Resolution 545 of 2008. To date, the Concessionaire has relocated 41 housing units, meaning that 253 remains pending.</p> <p>The Concessionaire’s proposal was submitted to the Owner on November 18th, 2019, and the Concessionaire continues to wait for an official response. Arup will continue tracking this process until the property acquisition and relocation of social units reaches an end.</p>	
2	<p><b>Archaeology:</b> According to the results obtained during the archeological field studies phase, which determined that the Project area has an archeological potential qualified as medium-high, and estimated the probability of archeological findings, the area is considered to have a risk of significant findings.</p> <p>Regarding the Petroglyph process and El Indial area, Arup request to be informed about the closure of processes and if there is an important risk of delay in the construction activities.</p> <p><b>UF: All</b> <b>PS/EP:PS8</b></p>	Biannual – Next Envi. And social report.	<p>During the evaluated period, the petroglyph identified in K71+250, was relocated to the CCO. Regarding El Indial area, the Concessionaire will have an additional 2 months and 24 days to complete works once archeological interventions are completed. To date, 24% of the area has been liberated. Arup will continue tracking this process and its implication in the development of the Project.</p>	

<p>3</p>	<p><b>Environmental sanctioning process:</b> In November 2018, ANLA opened a punitive process related to the construction of the Jaramillo’s bridge piles in UF 1. Which is within the licensed area, but the construction activity was not authorized in the environmental license. In Arup’s opinion considering that the UF 1 construction activities were finished, the sanctioning process does not represent a high risk in the development of the project.</p> <p>The Concessionaire must review the legal process and report the advances and response issued to the environmental authority in the next monitoring report.</p> <p><b>UF : 1</b> <b>PS /EP: PS1</b></p>	<p>Biannual – Next Envi. And social report.</p>	<p>During the evaluated period the Concessionaire did not receive or submit additional information to ANLA.</p> <p>Arup will continue tracking this process until its official closure with the environmental authorities.</p>	
<p>4</p>	<p><b>Materials disposal – ZODMES:</b> The Concessionaire has identified 40 ZODMES, from which 7 are in use, 9 ready to use when necessary, 16 are enclosure process, 5 desisted and 3 are in the authorization process</p> <p>Arup evidenced that five ZODMES does not comply with the hydraulic and runoff protection established in the environmental management plans of the project. Therefore, the Supervisor opened a cure period requesting the Concessionaire to install sediment barriers and complete their drainage infrastructures.</p> <p><b>UF: All</b> <b>PS/EP:PS6</b></p>	<p>Immediately – Next Technical report.</p>	<p>Arup evidenced improvements in the hydraulic systems of Zodmes however, these procedures remain in process with the Supervisor.</p> <p>Arup will continue tracking this process.</p>	
<p>5</p>	<p><b>Disclosure of information – PQRS system:</b> Arup evidenced the Concessionaire has had an efficient management of the received PQRS. However, it is important to mention that there are recurrent PQRS related to high noise levels and dust near the work fronts areas.</p>	<p>-</p>	<p>Arup evidenced the Concessionaire is implementing effective measurements to reduce PQRS related to noise and dust from the communities near the active work fronts.</p> <p>This action is marked as “Solved”.</p>	

<p>Arup request the Concessionaire to evaluate if the established measurements are enough and implement all the necessary additional measurements to prevent air quality and noise affectation, especially in the populated areas near the work fronts.</p> <p><b>UF:</b> ALL <b>PS/EP:</b> PS1, PS3</p>	
<p><b>Working conditions – work force layoff:</b> Due to the end of construction works some of the UFs, during the evaluated period the Concessionaire began to implement the staff layoff programs which included different trainings.</p> <p><b>6</b> Arup request the Concessionaire to report all the programs, activities, statistics and effectiveness of the implemented measurements.</p> <p><b>UF:</b> ALL <b>PS/EP:</b> PS2</p>	<p>Biannual – Next Envi. And social report.</p> <p>Arup evidenced the Concessionaire has defined specific staff layoff programs. Arup request the Concessionaire to continue reporting all the programs statistics and effectiveness of the implemented measurements.</p> <p>Arup will continue tracking this process.</p> 
<p><b>Environmental License – Permits Modification:</b> due to design changes in UF 5, the Concessionaire identified the requirement to modify 28 km of the permit of the Natural Reserve Subtraction of Rio Cauca, granted by Corantioquia in December 15th, 2016. In general, from the actual permit 22 ha of the natural reserve will be excluded, meanwhile 33 ha will be added as part of the influence area of the new designs.</p> <p><b>7</b> Arup request the Concessionaire to inform about the progress of this procedure and submit in the next E&amp;S report the estimated date for the approval of the subtraction permit.</p> <p><b>UF:</b> 5 <b>PS/EP:</b> PS1, PS6</p>	<p>-</p> <p>The permit was granted by the Corantioquia. This action is marked as “Solved”.</p> 

<p>8</p>	<p><b>Water treatment in Tesalia Tunnel:</b> Due to the increase of infiltration water flow in the Tesalia Tunnel, the Concessionaire must (i) redesign the water treatment system, (ii) request ANLA a modification of the environmental license and (iii) construct the new system to comply with the discharge flows amount and quality. <b>UF:</b> 2.2 <b>PS/EP:</b> PS1, PS3</p>	<p>Immediately – Next Technical report.</p>	<p>During the evaluated period, the water treatment system was redesigned and according to the Concessionaire, the EIA will be submitted to ANLA in September 2020. Therefore, considering Decree no.1076, 2015, the license modification is expected to be approved between January and February 2021.  Arup will review the advances of the environmental impact assessment and the environmental license modification procedure in the next monthly technical report.  Arup will continue tracking this process.</p>	
<p>9</p>	<p><b>Water springs UF 2:</b> The Concessionaire found that the water springs M-01, and M-02 supply La Esperanza aqueduct (FUNPAC) of El Potrerillo community (approx. 1152 inhabitants) and M-03 and P-05 are used for agricultural and livestock activities. ANLA evaluated the location and characteristics of the identified points and through Communication 02500 December 31st, 2018 imposed additional protection measurements for the closest and critical identified water springs (M-01, M-02 and M -03) and the well P-05: including flow and water quality characterizations. Monitoring results from 2019 are pending to be submitted to the Independent Engineer.  <b>UF:</b> 2 <b>PS/EP:</b> PS1, PS3</p>	<p>-</p>	<p>The Concessionaire submitted the results of the monitoring campaign carried out in November 2019 and May 2020, in which Arup evidenced the compliance of the protection measurements.  This action is marked as “Solved”.</p>	
<p>10</p>	<p><b>Pollution prevention- hydraulic structures:</b> During the site visit, Arup noticed that not all the hydraulic works have adequate water course protection barriers and not all the facilities have a bordering channel for the runoff flows and solids washouts.  Therefore, Arup request the Concessionaire to install protection barriers in all the watercourses of the project and construct an</p>	<p>-</p>	<p>During the site visit, Arup evidenced the Concessionaire improved the protection of watercourses. Arup will continue tracking this process, however for this period it is marked as “Solved”</p>	

<p>alternative such as bordering channels for the runoff flows and solids washouts in the camps, plants and facilities.</p> <p><b>UF:</b> ALL <b>PS/EP:</b> PS1, PS3</p>	
<p><b>Water management – El Cairo aqueduct:</b> During the evaluated period, the Concessionaire received the PQR No. 10-78 (May 5<sup>th</sup>, 2019) related to the petition of information of the community El Cairo about the water flow of a waterbody near the entrance portal of Tunnel Tesalia.</p> <p><b>11</b> Arup request the Concessionaire to submit all the technical studies about the watercourse lithology and water quality characterization and a report all the implemented measurements that guarantee the water availability and quality.</p> <p><b>UF:</b> ALL <b>PS/EP:</b> PS1, PS3</p>	<p>Biannual – Next Envi. And social report.</p> <p>Arup finds that El Cairo community continue submitting PQRS to the Concessionaire, arguing possible impacts to the water streams from which they obtain water for domestic uses. Arup will continue tracking this process until the official closure of the PQR.</p> 
<p><b>Landslides in UF 3.2 – Archaeology impact:</b> At approximately K6+100 to 400, recurring landslides represented a risk to the archaeological activities that were being developed in Matata area. Arup request the Concessionaire to submit the information regarding the end of the archaeological activities in this site and the impact that the landfills represented to the cultural heritage of the region.</p> <p><b>UF:</b> 3 <b>PS/EP:</b> PS1, PS8</p>	<p>-</p> <p>Despite the landslides in UF 3.2, the Concessionaire was able to finish the archaeological rescue in accordance to the archaeological management plan approved for the Project. This action is marked as “Solved”.</p> 
<p><b>Compliance of the Environmental Management Plan:</b> During the site visit Arup evidenced several corrective actions required in El Palo bridge and in the Concrete and Asphalts camps. Arup request the Concessionaire to comply with all the actions summarized in Section 7.4 - <b>Error! Reference source not</b></p> <p><b>13</b></p>	<p>-</p> <p>During the site visit Arup evidenced the compliance of these aspects. This action is marked as “Solved”.</p> 

	<p><b>found..</b> Its compliance will be evaluated in the next technical report.</p> <p><b>UF:</b> ALL <b>PS/EP:</b> PS1, PS3</p>			
14	<p><b>ANLA – Resolution 02094, October 21<sup>st</sup>, 2019:</b> ANLA imposed to the Concessionaire a preventive measure prescribing the immediate suspension of the operation activities of a ready mix concrete plant located in K 8+820, and the suspension of two temporal material storing near La Libertad school, arguing that any of these activities and sites are approved in the environmental license. Arup request that the Concessionaire reports the closure of this procedure with ANLA and disseminate the developed activities with the affected communities (web page, flyers, meetings among others)</p> <p><b>UF:</b> ALL <b>PS/EP:</b> PS1, PS3</p>	<p>Biannual – Next Envi. And social report.</p>	<p>The Concessionaire relocated the concrete plant to the exit portal of the Tesalia Tunnel (area that is approved in the environmental license) and disposed materials in the authorized Zodmes. However, ANLA opened sanction procedure because of the preventive measure (Auto no. 0584 February 28th, 2020). This means that the environmental authority officially started an investigation procedure to determine if the Concessionaire breach the environmental management plans and legislation.</p> <p>To date any sanction has been imposed and the Concessionaire has legal advice for this procedure.</p> <p>Arup will continue tracking this process.</p>	
15	<p><b>Irra Tunnel - Environmental O&amp;M permits:</b> Regarding the concluded construction activities in the tunnel, Arup request the Concessionaire to submit the studies and procedures carried out with the environmental authorities related to the water discharges and concession permits required of the operation of the Tunnel.</p> <p><b>UF:</b> 4 <b>PS/EP:</b> PS1, PS3</p>	-	<p>So far, the Concessionaire has not considered the need to process permits for the discharge of infiltration water. In case they are required, they will be processed as part of the license for the operation of the tunnel.</p> <p>Arup will continue tracking this process.</p>	
16	<p><b>COVID-19 outbreak:</b> Arup request the Concessionaire to continue to submit information about the results of the implemented measures according to the government and national authorities, how Covid 19 outbreak has impacted the Project and its environment and which programs are being included in the project in compliance with IFC PS 1, 2 and 4.</p> <p><b>UF:</b> All</p>	<p>Biannual – Next Envi. And social report.</p>	<p>New Action</p>	

PS/EP: PS1

## 9 Photographic Record – Site visit July 15-16, 2020



COVID 19 Safety Protocol



COVID 19 Safety Protocol



COVID 19 Safety Protocol





**COVID 19 Safety Protocol**



**UF 2. Tesalia Tunnel Water Treatment**



**UF 2. Fauna protection**



**UF 3. CCO – Relocated Petroglyph**



**UF 3. -El Indial Archaeological activities**



**UF 3. Zodmes - Activities**



**UF 5. Work fronts signaling and security**



**UF 5 . Social units relocation**



**UF 5 . Health and safety - Protection personal equipment**