

Environmental Monitoring Report

June 2017

AZE: Second Road Network Development Investment Program, Project 1

Prepared by Azeravtoyol Open-Joint Stock Company for the Republic of Azerbaijan and the Asian Development Bank.

This environmental monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

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Bi-annual Environmental Monitoring Report

June 2017

Republic of Azerbaijan:
Second Road Network Programme, Tranche 1:
Construction Supervision for the Alat-Astara Motorway –
Masalli to Jalilabad Intersection.

(Financed by the Asian Development Bank)

Report 6: 1st January – 30th June, 2017

ADB Loan – 2921-AZE-SC-IRD-MR

Prepared by **Azeravtoyol** for the Asian Development Bank (ADB).

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CURRENCY EQUIVALENTS

(As of 30 June, 2017)

Currency Unit	–	Azerbaijan New Manat (AZN)
AZN 1.00	=	USD 0.59
USD 1.00	=	AZN 1.68

ABBREVIATIONS

ADB	–	Asian Development Bank
AZN	–	Azerbaijan New Manat
BOD	–	Biological Oxygen Demand
EIA	–	Environmental Impact Assessment
EMP	–	Environmental Management Plan
EPM	–	Environmental Protection Manager
EPP	–	Environmental Protection Plan
GRM	–	Grievance Redress Mechanism
IPC	–	Interim Payment Certificate
MENR	–	Ministry of Ecology and Natural Resources
PIU	–	Project Implementation Unit
PMC	–	Project Management Consultant
PPE	–	Personal Protective Equipment
SSEMP	–	Site-Specific Environmental Management Plan
STD	–	Sexually Transmitted Disease
ADB	–	Asian Development Bank
EIA	–	Environmental Impact Assessment
EMP	–	Environmental Management Plan
EPM	–	Environmental Protection Manager
EPP	–	Environmental Protection Plan
GRM	–	Grievance Redress Mechanism
MENR	–	Ministry of Ecology and Natural Resources
PIU	–	Project Implementation Unit
PPE	–	Personal Protective Equipment
SSEMP	–	Site-Specific Environmental Management Plan

WEIGHTS AND MEASURES

m	–	Metre
km	–	Kilometre

TABLE OF CONTENTS

I. INTRODUCTION.....	4
A. Introduction to Project.....	4
B. Objectives of Biannual Environmental Reporting	5
C. Methodology.....	5
D. Construction Activities and Project Progress	5
E. Project organization and environmental management team	6
F. Relationships with Contractors, owner, lender, etc.....	6
II. ENVIRONMENTAL MONITORING	7
A. Status.....	7
B. Action.....	7
III. ENVIRONMENTAL MANAGEMENT	8
A. Status.....	8
B. Documents	8
C. Inspections and Audits	8
D. Non-Compliance and Corrective Actions	9
E. Training.....	19
F. Community Meetings and Grievances	19
G. Emerging Issues	23
H. Conclusions.....	23
IV. ANNEXES	24
ANNEX A: SEMP STATUS.....	24
ANNEX B: PERMITS	25
ANNEX C: CONSULTATION PHOTOS	27
ANNEX D: SITE VISIT PHOTOS (OCTOBER, 2016).....	30

I. INTRODUCTION

A. Introduction to Project

1. The Contract, which comprises sections 3B & 3C of the Alat-Astara Motorway (M3), commences at the Jalilabad Interchange (Km 110+700 – the end of Section 3A) and runs in a generally southerly direction ending just South East of Masalli City (Km 142+800). It forms part of the important road connection from Baku to the Iranian border (at Astara).
2. The Executing Agency for the project is Azeravtoyol - Open Joint Stock Company.
3. An Environmental Impact Assessment (EIA) was carried out for the project in 2007. The EIA report was approved by Azeravtoyol and ADB, and has served as a basis for the development of the specification and contract documents, and for the preparation and pricing of the Contractor Environmental Management Plan (EMP).
4. The Engineer appointed by Azeravtoyol is IRD Engineering LLC. The construction contract for both Sections is Kolin Construction, Inc.
5. This report is the fifth bi-annual report covering the period 1st January, 2017 to 30th June, 2017.
6. Key milestones relating to mobilisation are summarised below:
 - Overall Contract agreement: 912 days (30 Months) – 02 September 2016.
 - The Engineer mobilised on 14th January 2014.
 - Contract Agreement: 11th December 2013.
 - Notice to Commence was issued on 5th March 2015.
 - Earthworks began on March, 2015.

B. Objectives of Biannual Environmental Reporting

7. The purpose of the Bi-annual Environmental Monitoring Reports is to provide a summary of the key issues relating to environmental management over the past six months. The summary includes an update on overall project progress, the status of Site Environmental Management Plan (SEMP) implementation, any progress made with environmental management, environmental monitoring results, and other relevant issues such as non-compliance and corrective actions, and monitoring of the Grievance Redress Mechanism (GRM).

8. The Reports are prepared by Azeravtoyol and are intended to inform ADB and any other interested parties of the status of environmental management of the project.

C. Methodology

9. The Biannual Environmental Monitoring Reports are prepared by reviewing and extracting key information from a number of sources, as follows:

- Contractors' Quarterly Health, Safety and Environment (HSE) Reports;
- Contractors' Grievance Registers;
- Engineer's Environmental Health and Safety Managers field reports;
- Any relevant instrumented monitoring results;
- Reports from the Contractors on training and public consultation; and
- Site visits made by the Engineers International Environmental Specialist.

D. Construction Activities and Project Progress

10. The Progress of the Project during the last six months is shown by **Table 1** below:

Table 1: Progress of the Contractor

Item	Progress (%)
Bridge Progress	97,22 %
Pipe Culvert Progress	100 %
Box Culvert Progress	100 %
Road Work Progress (removal of topsoil)	100 %
Road Work Progress (Embankment)	100 %
Road Work Progress (Capping)	100 %
Physical Progress	89,99 %
Financial Progress	94,24 %

11. Following construction works have been completed during the reporting period:

- Metal guards rails (ESP type)
- Road markings
- Road lining
- Fencing along the road
- Tree-planting at the junctions
- Handrail, expansion joint, protective layer (membrane), New Jersey safety barrier, stair, slope concrete) in Bridges

E. Project organization and environmental management team

12. The Contractors EHS team comprises:

- a) Vugar Mammadov HSE Manager – responsible for the overall management of HSE issues for the Contractor.
- b) Vasif Selimov HSE officer - Responsible for organisation of daily inspections, reporting, inspection of Camp and plants area, accident investigation, training arrangements, assist in Community meetings arrangements, writing requests for PPE and other HSE provisions.
- c) Vusal Zeynalov HSE inspector - Daily inspections of site construction activities, project vehicles, conducting toolbox training, assist in training and Community meeting arrangements. Coordination of flagman and reporting of unsafe conditions.
- d) Elkhan Valehov HSE inspector - Daily inspections of site construction activities, project vehicles, conducting toolbox training, assist Community meeting arrangements and reporting of unsafe conditions.

13. The Engineers EHS team comprises:

- a) Xalid Mammadov Environmental and Health and Safety Manager (EHSM) – Responsible for the weekly checks of the Contractors activities and reporting to the Team Leader.
- b) Nick Skinner International Environmental Specialist (IES) – Responsible for periodic site visits and preparation of the bi-annual environmental reports on behalf of the Engineer.

F. Relationships with Contractors, owner, lender, etc.

14. The relationships between contractors, Engineer, Owner, and Lender are considered normal working relationships.

15. At the working level, communication with regards to environmental issues remains good.

II. ENVIRONMENTAL MONITORING

A. Status

16. **General** - According to the SEMP and the Contractors contract, the Contractor is responsible for instrumental monitoring of air quality and noise. There is no contractual requirement for the Contractor to undertake instrumental water quality monitoring. There is however the obligation for regular visual inspections of site drainage for signs of pollution by the Contractor.
17. **Air Quality Monitoring** – Air quality monitoring is only required once per year. The Contractor has not undertaken air quality monitoring during this reporting period. Given the advance status of the works (taking over certificate was issued August, 2017), it is not recommended that the Contractor undertakes any further air quality monitoring.
18. **Noise Monitoring** - Regarding noise, the Contractor is obliged to undertake yearly noise monitoring at the request of the Employer and after complaints from the public. No complaints from the public regarding noise have been received in this reporting period nor any request for monitoring from the Employer. Due to the completion of construction works no instrumental noise monitoring is planned for the project during next reporting period.

B. Action

19. **Air Quality** – No further actions required.
20. **Noise Monitoring** – No further actions required.

III. ENVIRONMENTAL MANAGEMENT

A. Status

21. Routine site inspections have been made by the Engineers team during the reporting period. The findings of the visit are summarised in two tables; **Table 3** outlining the Contractors progress from the last reporting period and **Table 4** outlining any newly identified non-compliance issues.

B. Documents

22. Part of the Contractors environmental obligations is the production of Quarterly Environmental, Health and Safety Reports based on the findings of regular site inspections, community meetings, training programs, etc. The Contractors EHS Manager, Vugar Mammadov, is responsible for this and all other environmental management issues relating to the contract.

23. Despite the fact that the Contractor has regularly submitted quarterly reports in previous years, he has not submitted one for March, 2017, rather he provided a summary of trainings and of the GRM complaints via email (see later sections of this report for these findings).

24. The SEMP has been approved by the Engineer along with its thirteen supplemental plans and method statements. **Annex A** provides a list of the plans and documents which form the SEMP.

25. The Contractor is responsible for obtaining and maintaining a number of environmental, health and safety permits. **Annex B** provides an overview of the current status of these permits.

C. Inspections and Audits

26. The Engineers EHSM conducts site visits over a period of two days on a weekly basis.

27. The Executing Agency has made a number of *ad hoc* visits to site as required.

D. Non-Compliance and Corrective Actions

28. **Table 2** provides a summary of the Contractors progress with the items identified during the last site visit.

Table 2: Non-compliance Items Noted by the Previous Bi-annual Report (no.5)

Item	Comment	Action	Responsibility	December 2016 Status	June 2017 Follow-up
1. Reports	a. Kolin have to prepare and submit monthly reports to the Engineer. They have not been doing this, or preparing any form of weekly or daily checklists.	ADB stated that each day the Contractor should be inspecting the camp and the entire road for any non-conformance. Weekly checklists should then be completed and monthly reports prepared and submitted to IRD.	1. Kolin HSE Team to undertake daily inspections 2. Weekly Checklists to be completed by Kolin HSE Team and submitted to IRD 3. Monthly reports completed by Kolin HSE Team and submitted to IRD.	1. No daily inspections were noted. 2. No weekly checklists were completed. 3. A second report was submitted for January, 2016, but there have been no further monthly reports.	CLOSED 1. Given the status of construction works no further reporting is required.
2. Training	a. The ADB will work with Kolin and IRD to improve training, especially in waste management and health and safety.	ADB local env specialist will make visits to Kolin camp to help improve the training program.	ADB and Kolin to discuss a program	OPEN	OPEN
	b. There need to be more on-site training in issues such as PPE, etc.	More toolbox training on site is required and should be delivered on a regular basis by the Kolin HSE Team environmental	1. Kolin HSE Team to provide regular toolbox training and to keep a record of	IN-PROGRESS 1. Still no clear evidence of any tool-box trainings provided by the Contractor.	CLOSED 1. Contractor has been providing toolbox training to staff.

		specialist.	these activities. 2. IRD to regularly monitor the toolbox training to ensure Kolin HSE team is doing the training.		
3. Maintenance Yard	a. Waste storage needs to be improved.	1. More waste containers need to be provided. 2. Waste containers need to be emptied on a regular basis to ensure they are not overflowing.	1. Kolin to provide more waste containers. 2. IRD to monitor waste storage to ensure waste containers are not overflowing.	IN-PROGRESS 1. Kolin stated that they would order more waste containers for this area – However, to date the only evidence of additional waste containers are some empty 200 liter oil drums outside the yard. The Contractor was specifically requested to ensure larger bins were put in this area to accommodate the high volumes of waste generated in this area.	IN-PROGRESS 1. Issue still pending. Waste containers should be in place while camp site is reinstated.
	b. No spill prevention measures are provided in the maintenance yard.	1. Spill kits need to be provided in the yard. 2. Training in the use of spill kits needs to be provided.	1. Kolin to install spill kits. 2. Kolin HSE team to provide training in the use of spill kits	IN-PROGRESS 1. Spill kits missing	IN-PROGRESS 1. Spill kits still missing. They should be in place until final camp reinstatement.

	c. Storage of fuel should be in suitable containers, not used water bottles.	Fuel shall not be stored in used water bottles	Kolin to remove all water bottles for fuel storage and replace with appropriate containers.	IN-PROGRESS 1. Cans were noted, but fuel was still stored in coca cola bottles.	CLOSED 1. All fuel stored in correct containers.
	d. More fire extinguishers are required in this area	Placement of more fire extinguishers in the maintenance area.	Kolin Maintenance Yard Manager	ON-GOING 1. Spot checks continue to show that extinguishers have low pressure or are missing from key areas.	OPEN 1. Extinguishers requiring recharge noted around the site.
4. Vehicle Washing Area	a. Waste water is not running off into the wash pit.	Concrete lips should be provided around the whole wash bay to ensure that run-off enters the wash pit, not areas adjacent to the wash pit.	Kolin HSE Team	OPEN 1. The wash bay still does not function properly due to the Contractors continued bodged efforts to retro-fit the wash-bay.	CLOSED 1. Given the status of construction works no further actions are required.
5. Health and Safety	a. No harnesses were being used by workers working at heights on bridges.	Harnesses should be used at all areas where working at height is undertaken, e.g. bridges.	1. Kolin to ensure workers are provided with the right equipment at these sites. 2. Kolin HSE Team to provide training to workers.	OPEN 1. Kolin must provide harnesses for workers and training in their use.	CLOSED 1. Given the status of construction works no further actions are required.

	b. At the camp workers were noted in conveyor belts at the rock crusher and in weigh hoppers for the asphalt plant.	Workers should not be in these areas. Sign posts should be provided and training given to workers.	Kolin HSE Team to provide training to workers. Kolin HSE Team to erect signs.	OPEN 1. Issue identified in June 2016	CLOSED 1. Given the status of construction works no further actions are required.
	c. Hardly any of the workers at the construction camp wear any form of PPE.	All workers should wear appropriate PPE.	Kolin HSE Team to undertake daily inspections of PPE.	ON-GOING 1. Workers still observed without appropriate PPE	ON-GOING 1. Workers still observed without appropriate PPE. They should wear PPE until they are demobilised from site.
	d. fire fighting equipment is non-existent in some locations, including accommodation blocks and the maintenance yard.	Suitable fire-fighting equipment, in working order, needs to be provided across the camp.	Kolin HSE Team	OPEN 1. Despite reports from Kolin HSE Team that this issue has been resolved evidence can still be found of this issue across the site.	ON-GOING 1. Issue still pending.
6. Bunding	a. The fuel storage next to the generators close to the rock crushing area should be bunded.	Construct bunds for these fuel tanks	Kolin HSE Team	IN-PROGRESS 1. The bund still has a hole in it.	IN-PROGRESS 1. Issue still pending. Until fuel storage containers are removed from site, bunding should be provided.
	b. Plasticizers at the concrete batching area should be kept in bunded areas.	Construct bunds for the plasticizers	Kolin HSE Team	IN-PROGRESS 1. No changes to the bund size.	IN-PROGRESS 1. Until fuel storage containers are removed from site,

					bunding should be provided.
	Cracks have started to appear in some older bunds. In addition bunds also now appear to have holes in them (see Appendix I for photos). New un-bunded fuel storage tanks have appeared in some location. In addition, bunding has started around the asphalt plant, but it is incomplete. Finally, the bunding at the concrete batching plant needs to be made suitable for the size of drums it contains.	<ol style="list-style-type: none"> 1. Cracks should be sealed. 2. All fuel storage tanks should be bunded. 3. Suitable bunds shall be constructed for plasticisers at the concrete batching yard. 4. Bunding at the asphalt plant should be completed in all relevant locations. 	Kolin HSE Team	ON-GOING 1. Bunding still not suitable for use.	ON-GOING 1. Until storage containers are removed from site, bunding should be provided.
7. Rock crushing	a. Materials falling from conveyor belts is a safety hazard.	Signs should be places to prevent workers walking under conveyor belts.	Kolin HSE Team	IN-PROGRESS 1. Signs are absent, or in wrong locations	CLOSED 1. Given the status of construction works no further actions are required.
	b. High levels of dust are being generated at the rock crushing plant.	The water sprinkling system should be operational. A method statement to reduce dust	Kolin HSE Team	OPEN 1. No plan produced to date.	CLOSED 1. Given the status of construction works no further

		should be prepared by the Contractor.			actions are required.
8. Asphalt plant	a. Dust from conveyor belts	<p>Conveyors need to be covered.</p> <p>Develop a method statement to control dust from the asphalt plant without the use of water spraying, e.g. covering conveyors, etc.</p>	Kolin HSE Team	<p>OPEN</p> <p>1. No action on this task to date</p>	<p>CLOSED</p> <p>1. Given the status of construction works no further actions are required..</p>
9. Storage of Hazardous Materials	<p>Approximately 50 tonnes of Kraton is currently stored in the asphalt plant area – this chemical is a fire and explosion hazard. There are no warning signs relating to this chemical. In addition, around 20,000 liters of Iterlene (a chemical also used in asphalt production) is also stored in this area. The label on the containers states that this liquid is corrosive and toxic.</p>	<p>1. All hazardous materials and liquids need to be stored according to their MSDS – this includes bunding on hardstanding for hazardous liquids.</p> <p>2. Training in the correct use of these items needs to be provided to staff, including application of PPE.</p> <p>3. MSDS must be kept with the materials and in the site office.</p> <p>4. Safety signs need to be provided in the storage locations of these materials indicating, for example, their potentially explosive</p>	Kolin HSE Team	<p>OPEN</p> <p>1. MSDS still not kept with the materials.</p> <p>2. Contractors HSE team still not fully aware of all the hazardous materials on site.</p>	<p>ON-GOING</p> <p>1. MSDS still not kept with the materials.</p> <p>2. Contractors HSE team still not fully aware of all the hazardous materials on site.</p>

		properties. 5. The Contractors HSE team should be aware of all times of the amount and types of hazardous materials at site. They also need to know how to manage these materials in the event of an emergency.			
10. Waste Management	Waste polystyrene from bridge expansion joints is being broken up and scattered across bridge decks and into rivers.	The material needs to be collected and taken to the correct disposal area.	Kolin HSE Team	OPEN 1. Polystyrene is still breaking up and littering the environment	ON-GOING 1. Contractor collecting waste as it arises
11. Vehicle Refuelling	Interceptor tank at the vehicle fuelling bay is still full with water rendering it useless.	Tanks needs to be emptied when it becomes full.	Kolin HSE Team	OPEN 1. Tank full of water	ON-GOING 1. Tank still fills with water.

29. **Table 3** provides a summary of the additional non-compliance issues noted during the reporting period by the Engineer.

Table 3: Non-compliance Items Noted in Reporting Period

Item	Comment	Action	Responsibility	Schedule
1. Explosive material (see Appendix D, Photo D-1)	Despite being told numerous times the Contractor still does not have any control over the Kraton material. This represents a health and safety risk to workers on site.	As per table 2.	Kolin HSE Team	01/08/17
2. Leaks of fuel and oil (see Appendix D, Photo D-2)	Leaks of fuel and oil were noted around the site, including the maintenance yard.	Contractor to clean and remove all spills, which maybe more difficult given that his spill kits have mysteriously disappeared from the camp.	Kolin HSE Team	01/08/17
3. Concrete mixer washout area (see Appendix D, Photo D-3)	The wash out area is full of scrap metal.	The scrap metal should be removed and recycled.	Kolin HSE Team	01/08/17
4. Plasticizers (see Appendix D, Photo D-4)	Plasticizers are still not stored in correct sized bunds.	Contractor to ensure all materials are stored in correct sized bunds until they are removed from site.	Kolin HSE Team	01/08/17
5. Leaking liquid containers (see Appendix D, Photo D-5)	Some drums of hazardous liquids are leaking onto bare soils.	Contractor to ensure all materials are stored in correct sized bunds until they are removed from site.	Kolin HSE Team	01/08/17
6. Wrong storage containers (see Appendix D,	Oils and fuel are still being stored in the wrong types of container (e.g. used water bottles)	Contractor to ensure that all fuels are stored in correct	Kolin HSE Team	01/08/17

Photo D-6)		containers.		
7. Holes in bunds (see Appendix D, Photo D-7)	Gaps are still present in the bunds in the asphalt plant.	Unless the asphalt plant no longer contains hazardous liquids this bund should be repaired.	Kolin HSE Team	01/08/17
8. Poor storage of hazardous materials (see Appendix D, Photo D-8)	Hazardous materials in the maintenance yard are not stored correctly.	The Contractors HSE manager should examine these areas and assess if he thinks the storage methods are suitable. Then he should fix the problem.	Kolin HSE Team	01/08/17
9. Vehicle washing bay (see Appendix D, Photo D-9)	The Contractor has been asked six or seven times over the course of the Project to rehabilitate this area so that it functions correctly. Each time the Contractor does a useless job and the wash bay turns back into a mud bath.	Despite the fact that the Contractor has failed multiple times with this task, it is not recommended that any further actions are undertaken in this area as the Project is almost completed and the Contractor would only fail in this task again anyway.	N/A	None
10. Domestic waste (see Appendix D, Photo D-10)	Domestic waste is not stored correctly.	All domestic waste should be stored according to the waste management plan prepared by the Contractor until the last member of staff leaves the site upon completion of the Project.	Kolin HSE Team	01/08/17

11. Firefighting equipment (or lack of it) (see Appendix D, Photo D-11)	Firefighting equipment is missing in some locations, or is not in the right pressure range. This represents and safety risk.	Adequate firefighting equipment shall be provided on site by the Contractor until the last member of staff leaves the site upon completion of the Project.	Kolin HSE Team	01/08/17
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E. Training

30. During the present reporting period several EHS training sessions were undertaken as outlined in **Table 4**. Some of the trainings are still quite pointless such as the COSHH training to the site accommodation cleaners. The Contractor has been told about this before – the use of domestic cleaning liquids (such as domestos) does not require COSHH training. The Contractor should focus his training on areas that are meaningful, such as how to handle explosive materials, such as Kraton.

31. The Contractor has provided some limited evidence of his HSE team performing tool-box training – however, the number of trainings and their content has not been specified by the Contractor.

Table 4: Training Sessions

Type of Training	Date	No. of Participants
Safety at Crushing plant	15/03/2017	16
Safety and Sanitary in the kitchen	25/03/2017	8
Control of Substances Hazardous to Health	29/03/2017	6
Safety Rules for Signalling Personal	15/04/2017	6
Safety in the laboratory	20/04/2017	8
Safety during Concrete works	26/05/2017	15
Environmental Protection	30/06/ 2016	10
Asphalt Works Safety	30/06/ 2016	9

F. Community Meetings and Grievances

32. During the present reporting period public meetings were held on the following dates and locations.

- Sharafa village – 31st March, 2017 (seven participants)
- Samidkhan Village – 04th April, 2017 (eight participants)
- Chakhirili Village – 26th May, 2017 (twelve participants)

33. Photos of two of the meetings are shown in **Annex C**.

34. A summary of all issues raised during the meetings and all grievances to date and how they were resolved is provided in **Table 5** below.

Table 5: Grievance Register

#	Location	Date Received	How grievance was received	Plaintiff	Description of the issues/complaints	Notes, undertaken actions by Contractor
1	Sharafa village	31 March 2017	Community Meeting	Jamalov Hojjat	We ask you to put some gravel on right and left side of edges (at point 0, where bridge edges connected to village road) of Bridge 25 in order to have easy access to our land parcels.	I will discuss your kind request with project manager to put some gravel around edges to help you with the access. I am sure Kolin Construction will help Masalli people as usual.
2	Samidkhan village	04 April 2017	Community Meeting	Mehdiyev Shaban	The rain water and groundwater collect on the right side of the beginning section of Samidkhan 1 area of the Masally-Alishanli road. We ask for taking actions for flowing of this water to the nearby water canal.	This matter will be discussed with project authorities and we will inform you about the decision.
3	Samidkhan village	04 April 2017	Community Meeting	Mehdiyev Shaban	The asphalt layer of the road between Brick Plant and village cemetery has corrupted. We ask for asphalt paving of this road.	Asphalt paving work of the roads that corrupted by Kolin Construction will be performed at the end of the project.

#	Location	Date Received	How grievance was received	Plaintiff	Description of the issues/complaints	Notes, undertaken actions by Contractor
4	Samidkhan village	04 April 2017	Community Meeting	Mehdiyev Shaban	We ask for opening a carriageway for entering to the Motorway close to our village.	According to requests from village municipalities Kolin Construction ordered gates with locks for the mentioned parts.
5	Chakhirli village	26 May 2017	Community Meeting	Abdullayev Fazil	As dry season is started we ask you to water our village road.	Watering will be performed on daily basis. The separate water truck is engaged for Chakirly.
6	Chakhirli village	26 May 2017	Community Meeting	Dadashov Maharram	We would like to know if our village road will be repaired asphalted.	Asphalt paving work of Chakirly road will be rerformed in June 2017. Also, for security of village children in front of village school we will put 2 ramps for slowing down the vehicles speed.

G. Emerging Issues

35. None identified.

H. Conclusions

36. This is the sixth and penultimate bi-annual monitoring report. The Contractor clearly struggles with the concept of environmental management and despite advice and recommendations from the Engineer many issues have been ignored, or cracks have simply been papered over.

37. The HSE team are not proactive enough around the camp site and on the road. They only respond to issues when letters are written to the Contractor. The HSE Manager has done a poor job of managing his staff and training the Contractors workers which manifests itself in the poor environmental performance of the Contractor. Notwithstanding the above, no significant pollution events have occurred during the construction phase.

38. To his credit, the Contractor has undertaken regular community consultations throughout the construction phase and this has given the local population a voice to air concerns about the Project which are often resolved swiftly by the Contractor.

39. A number of outstanding and newly identified issues have been itemised in Tables 2 & 3. The construction works are due to be completed very shortly and as such there will be no need to complete outstanding items such as the vehicle washing bay, but other items such as bunding for fuel tanks needs to be completed to avoid any potential pollution events while hazardous liquids are still present at the camp.

40. The most important task now is for the Contractor to demobilise all his equipment and ensure that the camp site is reinstated without any significant pollution incidents or accidents. In addition, all of the site must be clear of waste materials (including washed out concrete) and any materials removed from private land.

41. A final inspection of the site will be undertaken during the next reporting period and this will form the basis of the final bi-annual report which will focus on the reinstatement of camp areas and the removal of all waste materials around the work sites.

IV. ANNEXES

ANNEX A: SEMP STATUS

Document Ref #	Item	Status
MJ- HSE- 002	Site Environmental Management Plan	Approved by Engineer
MJ- HSE- 005	Waste Management Plan	Approved by Engineer
MJ- HSE- 007	Sewage management plan	Approved by Engineer
N/A	Health and Safety plan and Accident Book	Approved by Engineer
MJ- HSE- 004	Soil management plan (including topsoil and vegetation)	Approved by Engineer
MJ- HSE- 0012	Site drainage plan	Approved by Engineer
MJ-MS-014	Method statement on spillages	Approved by Engineer
MJ-MS-013	Statement on location of fuel storage, filling station and vehicle washing site	Approved by Engineer
MJ- HSE- 001	Traffic management plan	Approved by Engineer
MJ-HSE-0010	Noise control plan	Approved by Engineer
MJ-HSE-009	Air pollution control plan	Approved by Engineer
MJ-HSE-008	Dust control plan	Approved by Engineer
MJ-HSE-0011	Cultural/archaeological find plan	Approved by Engineer

ANNEX B: PERMITS

Location	Permit / Permission	Date Obtained	Update / Action
Construction Camp	Land Acquisition Contract	19.03.2014	None for three years
	Land use Approval	08.04.2014	None (obtained once)
	Eco. Expertise Approval	17.04.2014	None (obtained once)
	Ecological Passport	17.04.2014	None for five years
	Contract for Waste disposal	01.01.2016	Update required 31.12.2017
	Contract-Sewage disposal	01.01.2016	Update required 31.12.2017
Concrete Plant	Eco. Expertise Approval	17.04.2014	None (obtained once)
	Ecological Passport	17.04.2014	None for three years
	Limits of Emissions to the Atmosphere	17.04.2014	None for three years
Asphalt Plant	Eco. Expertise Approval	17.04.2014	None (obtained once)
	Ecological Passport	17.04.2014	None for three years
	Limits of Emissions to the Atmosphere	17.04.2014	None for three years

Stone Crushing Plant	Eco. Expertise Approval	17.04.2014	None (obtained once)
	Ecological Passport	17.04.2014	None for three years
Borrow Pit	Land Acquisition	24.02.2014	None for five years
	Eco. Expertise Approval	09.04.2014	None (obtained once)
	Ecological Passport	09.04.2014	None for five years
	Limits of Emissions to the Atmosphere	09.04.2014	None for three years

ANNEX C: CONSULTATION PHOTOS

COMMUNITY MEETING, Chakhirili Village – 26th May, 2017



COMMUNITY MEETING, Chakhirili Village – 26th May, 2017



COMMUNITY MEETING, SHARAF, 31ST MARCH, 2017



LIST OF PARTICIPANT, SHARAFA, 31ST MARCH, 2017

(KM 142+890 to KM 110+700)

İCMA GÖRÜŞÜ (Community Meeting)

KƏNDİN ADI (VILLAGE) : Şərafə

TARİX (DATE): 31/03/2017

	ADI, SOYADI, ATASININ ADI	TELEFON NÖMRƏSİ	Şəxsiyyət vəsiqəsinin seria nömrəsi	İMZA
	Name, Surname, Father Name	Phone Number	Seriya NO	Signature
1.	Şahverdiyev Aziz	051 9472605		
2.	Əhədov Ağacizadə			
3.	Feyzullayev Ayar			
4.	Cannalov Höcət	050 6218134	A2E 09803140	
5.	Cannalov Əlikəşi	050 5393967		
6.	Ziyadov Cavid	050 ⁵²² 505 3805	A2E 09802308	
7.	Cəfərov Əliba	050 5210453	A2E 07759530	
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				

ANNEX D:

SITE VISIT PHOTOS (2017)

Photo D-1 – Poorly Managed Kraton



Photo D-2 – Leaking Fuel, Maintenance Yard



Photo D-3 – Concrete Mixer Wash out pit, filled with scrap metal



Photo D-4 – Plasticizers not in a bund



Photo D-5 – Leaking Chemical drum



Photo D-6 – Fuel stored in wrong type of container



Photo D-7 – Missing bund in Asphalt plant area



Photo D-8 - Hazardous material management outside of the maintenance yard



Photo D-9 – Useless vehicle washing facility



Photo D-10 – Poor management of domestic waste



Photo D-11 – Missing firefighting equipment at accommodation blocks

