

Appendix B1 Issue / Activity Matrix



Table B-1 Issue / Activity Matrix

Issue	Activity																							
	Land acquisition	Logistics (materials, equipment and people)	Site clearance and fencing (camp, pipe storage areas, AGIs)	Operation of construction camps	Refuelling	Employment of construction workforce	Storage in pipe storage areas	Operation of borrow pits and spoil disposal sites	Concrete batching and use	Access road upgrading and construction (camps and pipe storage areas)	Survey and clearance of vegetation and soil	Storage of cleared soil	Pipeline stringing	Trenching	Pipe welding and coating	Lowering and laying the pipe	Backfilling & compaction	Open-cut crossings	Non open cut crossings - microtunneling, HDD, guided auger boring crossings	Hydrotesting	Reinstatement	Construction and commissioning of AGIs	Operation of SCPX pipeline and AGIs	Variations to proposed work areas
SCPX																								
A0	General issues																							
A1	Use of raw materials and natural resources																							
A2	Soil compaction																							
A3	Soil erosion																							
A4	Loss of soil structure, fertility and seed bank																							
A5	Ground settlement																							
A6	Disturbance, treatment and disposal of known/unknown contamination																							
A7	Disposal of solid and liquid waste																							
A8	Visual intrusion into landscape																							
A9	Disposal of surplus subsoil and aggregate																							
A10	Disposal of surplus water from working areas and hydrotest water																							
A11	Impeded flow of river or channel																							
A12	Use of water from river or channel																							
A13	Flooding																							

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

SCPX	Issue	Activity																							
		Land acquisition	Logistics (materials, equipment and people)	Site clearance and fencing (camp, pipe storage areas, AGIs)	Operation of construction camps	Refuelling	Employment of construction workforce	Storage in pipe storage areas	Operation of borrow pits and spoil disposal sites	Concrete batching and use	Access road upgrading and construction (camps and pipe storage areas)	Survey and clearance of vegetation and soil	Storage of cleared soil	Pipeline stringing	Trenching	Pipe welding and coating	Lowering and laying the pipe	Backfilling & compaction	Open-cut crossings	Non open cut crossings - microtunneling, HDD, guided auger boring crossings	Hydrotesting	Reinstatement	Construction and commissioning of AGIs	Operation of SCPX pipeline and AGIs	Variations to proposed work areas
A14	Disposal of black and grey water																								
A15	Abstraction of groundwater																								
A16	Altered drainage pattern																								
A17	Loss of habitat																								
A18	Introduction of competitive species or plant/animal diseases																								
A19	Disturbance or harm to wildlife																								
A20	Impeded movement of animals & people																								
A21	Open excavations																								
A22	Use of energy																								
A23	Release of gases, exhausts and vapours to atmosphere																								
A24	Dust																								
A25	Noise																								
A26	Vibration																								
A27	Disturbance or loss of cultural heritage																								
A28	Employment																								

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

SCPX	Issue	Activity																							
		Land acquisition	Logistics (materials, equipment and people)	Site clearance and fencing (camp, pipe storage areas, AGIs)	Operation of construction camps	Refuelling	Employment of construction workforce	Storage in pipe storage areas	Operation of borrow pits and spoil disposal sites	Concrete batching and use	Access road upgrading and construction (camps and pipe storage areas)	Survey and clearance of vegetation and soil	Storage of cleared soil	Pipeline stringing	Trenching	Pipe welding and coating	Lowering and laying the pipe	Backfilling & compaction	Open-cut crossings	Non open cut crossings - microtunneling, HDD, guided auger boring crossings	Hydrotesting	Reinstatement	Construction and commissioning of AGIs	Operation of SCPX pipeline and AGIs	Variations to proposed work areas
A29	Provision of goods, services and land																								
A30	Community safety																								
A31	Community health																								
A32	Loss/severance of agricultural land																								
A33	Community relations																								
A34	Loss of field boundaries																								
A35	Damage to third party infrastructure (pipelines, cables etc)																								
A36	Disruption of irrigation/drainage infrastructure																								
A37	Use of local road network																								
A38	Road closure																								
A39	Accidental release of chemicals/oils																								
A40	Disturbance of unexploded ordnance																								
A41	Change to proposed work areas or methods																								

Appendix B2 Generic Impact Assessment and Mitigation Tables



Appendix B2: Generic Impact Assessment & Mitigation Table

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
Impact and Probability Assessment for Planned Events - Chapter 10												
A0	General Issues	General						1.13	The construction contractor will have a documented and operational ESMS aligned with the requirements of ISO 14001 Environmental Management Systems			
								39.04	Management of change procedures will include environmental and social assessment before any changes that may have detrimental effects on environmental or social receptors are adopted			
								DE.05	Within 30 days of termination of the Host Government Agreement a plan must be prepared describing how abandonment will be achieved. This Abandonment Plan will be subject to approval by the Government. An ESIA will be prepared prior to implementation of the Abandonment Plan to assess and minimise potential environmental and social impacts arising from the abandonment operations. This abandonment ESIA will be submitted to the Government			
								DE.06	Upon completion of the abandonment operations an assessment of contaminated land will be prepared recording the final contamination status of the location of the Project facilities. This assessment will be subject to governmental approval			
								OP18	Ongoing training programme for facility personnel will be implemented to include environmental compliance and reporting			
								OP19	Should there be any significant changes to the operations of SCPX such as increased throughput, environmental policies and standards shall be considered as an integral part of any engineering assessment. This will be achieved through the Management of Change system			
A1	Use of raw materials and natural resources (excluding energy and water)	Geology and Geomorphology	Depletion of natural resources, e.g. aggregates	10.2.3	B	3	Low	1.01	Aggregates will only be sourced from licensed sources as approved by MENR	B	3	Low
		Geology and Geomorphology	Dust, noise, landscape, traffic, visual, surface water, livelihood and ecological impacts from borrow-pits and spoil disposal sites	10.2.3	B	4	Medium	1.03	The project will give preference to using existing borrow pits and/or spoil disposal pits where reasonably practical	B	2	Low
								1.05	Environmental audits will be undertaken at any proposed third-party borrow pits and/or spoil disposal pits before they are used. Periodic audits will be undertaken thereafter as considered appropriate by the Company			
								1.06	Use of borrow pits will be managed in a manner that seeks to ensure that no illegal extraction (including by a third party) takes place			
								1.07	All excavated materials will be screened and reused to the extent deemed feasible by the Company to minimise the need for new aggregates			
								1.09	All temporary borrow pits will be reinstated (unless instructed otherwise by regulatory authorities)			
								1.10	Where excavated material is unsuitable for padding or backfilling, padding materials (e.g. sand or small-grained soils/gravel materials) will be bought or sourced from approved borrow pits			
								1.11	Where benching is required, surplus subsoil will be stored on the ROW or, if disposal is necessary, it will be transported to an approved disposal site and/or approved borrow pits			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

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Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
A2	Soil compaction							1.14	Excavated subsoil will be screened and reused for padding, wherever practicable			
								39.01	The relevant authorities will be consulted if the need for any additional land take is identified and the relevant permits and consents will be obtained			
		Soil and Ground Conditions	Loss of drainage capacity with increased surface water run-off	10.3.3	C	4	Medium	2.01	Load-bearing materials, such as bog mats and geotextile membranes, will be used to support heavy loads in areas of soft ground (including wetland areas) unless deemed impractical by the Company	C	2	Low
		Ecology	Impaired re-establishment of vegetation after construction	10.7.3	D	2	Medium	2.02	Vehicle movements will be restricted to defined access routes and demarcated working areas (unless in the event of an emergency)	D	1	Low
		Land Ownership and Land Use	Loss of agricultural productivity	10.13.3	C	3	Medium	2.03	Driving along the ROW will not be permitted in excessively wet conditions unless otherwise approved by the Company	C	1	Low
								2.04	Temporary drainage will be provided where necessary to prevent ponding or waterlogging of the working area			
								2.05	Backfill will be adequately (but not excessively) compacted to prevent future settlement			
								2.07	After backfilling, the subsoil beneath the running track will be ripped prior to reinstatement of agricultural land			
								3.09	Local people will be actively discouraged from using the ROW as an access road (through use of signage, public education, leaflets etc.)			
								3.15	Upon completion of subsoil and topsoil reinstatement, the Contractor and Company personnel will inspect disturbed areas jointly for signs of erosion, slope stability, relief, topographic diversity, acceptable surface water drainage capacity and function, and compaction. Remedial measures will be implemented, if necessary, at locations where reinstatement does not meet the Project criteria			
								4.03	Topsoil will be stored outside the running track used by construction plant, equipment and vehicles			
								4.06	Soil storage areas will be protected from vehicle movements to avoid soil compaction			
								17.16	The Company will encourage EPPD security patrols to use existing access tracks wherever possible, and not to drive along the ROW			
								OP61	When patrolling the pipeline, the Project will use horse patrols wherever practicable minimising vehicular access except where necessary for maintenance purposes			
A3	Soil erosion and sediment run-off following removal of vegetation and/or disturbance of ground	Soil and Ground Conditions	Loss of topsoil causing impaired reinstatement	10.3.3	C-D	4	Medium - High	3.15	Upon completion of subsoil and topsoil reinstatement, the Contractor and Company personnel will inspect disturbed areas jointly for signs of erosion, slope stability, relief, topographic diversity, acceptable surface water drainage capacity and function, and compaction. Remedial measures will be implemented, if necessary, at locations where reinstatement does not meet the Project criteria	C	2	Low
		Surface Water	Erosion of river/channel banks, scour, sediment contamination of surface waters	10.5.3	C	3	Medium	3.03	Erosion control measures will be implemented to achieve erosion Class 3 or better	C	2	Low
		Ecology	Reduced primary productivity in watercourses, smothering of invertebrates, lethal or sublethal effects on fish, degradation of spawning habitat	10.7.3	B	3	Low	3.05	Temporary dewatering or trench stabilisation will be undertaken where required to minimise slumping of trench walls	B	1	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

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Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Ecology	Impaired recovery of natural vegetation due to erosion by wind or water	10.7.3	B	3	Low	3.07	Trench breakers will be installed where downhill flow within the backfilled trench may lead to erosion	B	1	Low
		Land Ownership and Land Use	Loss of agricultural productivity	10.13.3	C	3	Medium	3.08	Soil loss will be monitored and corrective actions taken if it exceeds erosion class 3, in accordance with the Reinstatement Plan	C	1	Low
								3.09	Local people will be actively discouraged from using the ROW as an access road (through use of signage, public education, leaflets etc.)			
								3.17	The rate of discharge of water will be controlled to reduce the risk of soil erosion			
								3.23	At watercourses, bank and bed material will be stored separately, away from the active channels and will not be placed where flow or drainage will be obstructed			
								3.28	Temporary erosion control measures will be developed and implemented after initial land disturbance and if construction activity on the working areas is suspended over the winter before reinstatement has been completed			
								3.32	The ROW will be inspected regularly for signs of erosion and sediment run-off. The frequency of these inspections will be increased in sensitive areas			
								3.33	Land will be temporarily acquired off the ROW for construction of any sediment pits/traps or other erosion control or sediment run-off measures where needed to assist in achieving satisfactory erosion control or reductions in sediment run-off			
								3.26	Surface water drainage from operational areas including access roads and temporary facilities will be designed to minimise soil erosion in accordance with sustainable urban drainage systems (SUDS) principles			
								OP142	The watercourses on the SCPX pipeline will be incorporated into the existing programme of inspection and maintenance of the watercourse crossings in respect of erosion control			
								4.07	Where the Project considers that ground is sufficiently steep (generally greater than 25%), topsoil stockpiles will be protected with silt fence to help reduce washout and loss of topsoil during heavy rains			
								4.08	The topsoil and subsoil stack surface will be compacted sufficiently with the aim of preventing erosion, without leading to the development of anaerobic conditions			
								4.09	Reinstatement will be undertaken as early as practicable and in accordance with the Reinstatement Specification			
								4.12	The construction contractor(s) will produce method statements incorporating plans for erosion control, sediment control and reinstatement before work begins at river crossings			
								4.13	Topsoil stacks will be regularly inspected for compaction and erosion; corrective measures will be implemented if compaction or erosion is identified			
								10.12	Sediment control fencing, drainage channels and trench barriers will be installed where appropriate			
								10.11	Hydrotest water will be treated using diffusers to entrain oxygen in a break tank, and filtration will be used with the aim of minimising suspended solids, prior to discharge. Flow rate will be controlled with the aim of reducing the risk of soil erosion and disturbance to river bed sediment			
								10.16	Daily visual monitoring of turbidity will be undertaken at river crossings while works are being undertaken at that river. This will be supplemented as necessary by probe monitoring			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

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								10.18	Only essential construction vehicles (as approved by the Company) will be allowed to enter rivers or streams and only with prior examination of the vehicles for fuel/lubricant leaks. Generally, the Construction traffic will cross watercourses via a flume/culvert (piped bridge), which will be sized so as not to restrict the flow in the watercourse and allow fish and other aquatic organisms to pass through			
								10.19	Protection measures will be put in place to prevent any water used for dust suppression from causing silt problems for nearby wetlands or watercourses			
								17.07	The Project will seek to achieve an increasing trend in vegetation re-growth and species diversity (specifically species composition) in reinstated areas with reference to nearby areas undisturbed by Project activities, as recorded by the percent similarity and commonality indices			
								D12.06	Each major river crossing will have a site-specific design which will be set to account for the maximum flow rates (1:200 year storm event), sediment movement patterns, anticipated changes to the river bed contour and the predicted extent of lateral erosion			
								OP131	ROW patrols will monitor river crossing to provide assurance of the integrity of any river protection works and river banks. This will include a visual inspection for river bank erosion or changes to channel morphology			
								OP136	Monitoring of areas of geotechnical instability and erosion potential will be continued during operations			
								OP143	An expert assessment of burial depths, set back measurements and pipeline protection works will be carried out at major river crossings annually (depending on the river characteristics and crossing technique) and after flood events exceeding a 1:100-year return period			
A4	Loss of soil structure, fertility and seed bank	Soil and Ground Conditions	Development of anaerobic conditions in stored soil	10.3.3	C	3	Medium	4.04	If topsoil is stored for more than six months, the stacks will be monitored for anaerobic conditions and manual aeration will be undertaken if they develop	C	2	Low
		Ecology	Poor recolonisation due to anaerobic conditions in stored soil, reduced fertility and loss of entrained seeds	10.7.3	C	2	Low	3.11	Once the topsoil has been replaced it will be stone picked to remove any large stones that are not in keeping with the surrounding soil texture	C	1	Low
		Land Ownership and Land Use	Loss of agricultural productivity	10.13.3	C	3	Medium	4.02	Stored subsoil and topsoil will be segregated in a manner that avoids mixing	C	1	Low
								4.03	Topsoil will be stored outside the running track used by construction plant, equipment and vehicles			
								4.05	Topsoil stacks along the ROW will be free draining and stored in accordance with the Project Reinstatement Specification			
								4.22	A soil survey of camp sites and pipe storage areas that are identified will be undertaken			
								4.08	The topsoil and subsoil stack surface will be compacted sufficiently with the aim of preventing erosion, without leading to the development of anaerobic conditions			
								4.09	Reinstatement will be undertaken as early as practicable and in accordance with the Reinstatement Specification			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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								4.15	A soil survey will be undertaken (based on a representative sample) prior to construction to measure the depth of the topsoil layer along the pipeline route and will be used to determine the depth of topsoil stripping			
								D5.086	To facilitate natural re-vegetation of the ROW, the separately stockpiled topsoil and vegetation debris will be spread over the surface of the ROW following completion of grading, as appropriate			
A5	Ground settlement following restoration of pipeline trench	Soil and Ground Conditions	Soil erosion	10.3.3	C	3	Medium	2.05	Backfill will be adequately (but not excessively) compacted to prevent future settlement	C	2	Low
A6	Disturbance, treatment and disposal of known/unknown contaminated land	Soil and Ground Conditions	Mobilisation of soil contaminants, including but not limited to hydrocarbons, asbestos and anthrax spores (the latter if anthrax is found)	10.3.3	C	3	Medium	6.01	A baseline survey of visible contamination, has been carried out and will be repeated before construction begins to include camp and pipe storage areas	C	-	Beneficial
								6.02	All known areas of surface contamination (within the Project footprint) will be cleared before construction begins			
								6.13	The need for remedial work in any specific area will be determined on the basis of the observed contaminants, sampling and analysis to determine their concentrations and the risks that they may pose to local receptors (social and environmental) in accordance with Project Standards			
								6.14	In each area of identified contamination, a site-specific remedial action plan will be developed. The plan will include a summary of the environmental risks posed by the contamination and the procedures that are to be adopted to mitigate those risks			
								6.16	The preferred options for the treatment of contaminated soil will be based on the risks posed by the material. In keeping with the aim of minimising the transportation of hazardous materials and minimising waste generation, preference will be given to in situ and low technology remedial approaches			
								6.18	Any contaminated material storage areas will be provided with containment measures (for example, bunds, ditches, impermeable base membranes, covers) to help minimise run-off and airborne losses			
								6.22	The Company will carry out a due diligence exercise to identify and manage the risk of anthrax.			
								6.25	If any animal burial pits are identified during construction, works will cease in this location until the affected area has been subject to sampling by qualified personnel to determine if there is a risk of anthrax			
								7.05	Contaminated soil will be segregated from uncontaminated materials and stored at least 50m away from any surface water or seasonal surface water bed			
								40.01	A UXO safety and security briefing will be provided to all personnel during induction			
								40.02	Where the risk of UXO is identified the area will be cleared prior to construction			
A7	Production & disposal of solid & liquid waste	Soil and Ground Conditions	Contamination of soil	10.3.3	C	4	Medium	6.03	The storage of hazardous materials will be restricted to designated impermeable hazardous materials storage areas located at least 50m from any surface watercourse or seasonal water channel	C	1	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Surface Water	Contamination of water used for irrigation and industrial water supply	10.5.3	C	4	Medium	6.04	Requirements for the establishment of hazardous materials storage areas (e.g. bunding, impermeable surfaces, secure drainage, limited access, labelling) will be identified in the Contractor's Pollution Prevention Implementation Plan	C	2	Low
		Surface Water	Contamination of water used for potable water supply	10.5.3	C to D	4	Medium to High	6.05	A refuelling procedure will be developed by the Contractor, which will include a restriction on refuelling within 50m of any watercourse. Any deviation will be subject to approval by the Company	C to D	1	Low
		Groundwater	Potential for groundwater contamination if disposal uncontrolled	10.6.3	E	5	High	6.06	The Contractor's Implementation Plan will detail requirements for record keeping and on-site maintenance of material safety data sheets (MSDS)	E	1	Low
		Ecology	Mortality of flora and fauna	10.7.3	B	2	Low	6.07	Materials that can potentially react with each other will be segregated during storage	B	1	Low
		Ecology	Increase in vermin around waste dumps and consequent increase in prey availability for carnivorous birds and mammals	10.7.3			Beneficial	6.08	Procedures will be established to determine acceptability of material storage and to promote the minimisation of storage volumes	B	1	Low
								6.09	Relevant personnel will be trained in safe use and handling of hazardous materials			
								6.10	Spill response equipment (absorbents etc.) will be available in hazardous materials storage areas			
								6.11	Relevant construction personnel will be trained in use of spill kits and disposal practices			
								6.12	A trained rapid response team will be mobilised in the event of spillage of hazardous materials			
								6.20	Vehicles delivering fuel or hazardous liquids will carry appropriate spill kits to allow an initial response to any spill to be deployed			
								6.21	All mobile plant (excluding vehicles) will be integrally bunded or will be equipped with a bund or drip tray that will be regularly inspected and emptied to prevent rainwater accumulating			
								6.24	Disposal of the drilling mud will be subject to an environmental risk assessment			
								7.01	Controlled or uncontrolled burning of waste will not be allowed (with the exception of Company approved incinerators)			
								7.02	Non-hazardous waste will be disposed of at a Company and Government-approved landfill site			
								7.03	A secure hazardous waste accumulation area that meets Project requirements will be used for temporary storage at Project sites prior to transfer to an approved final hazardous storage or disposal facility			
								7.04	Waste management practices will be subject to regular monitoring and auditing			
								7.08	Waste will be segregated to facilitate recycling and re-use			
								7.12	Regular inspections and maintenance will be carried out of secondary containment area at camps to confirm that they are functioning effectively			
								7.13	Relevant training will be provided to those with responsibilities for monitoring of effluent discharges and emissions, such as effluent sample taking and chain of custody			
								7.14	Information will be incorporated into the induction process and will outline the role of personnel in the management of waste and emissions from site and spill response procedures.			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

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								7.15	Site induction training will be supplemented by regular 'toolbox' talks with relevant personnel if inspections or audits highlight failings in waste management			
								D5.028	In accordance with the SCPX Waste Management Plan, solid wastes generated by construction activities will be collected in waste storage areas (WSA) located at the camps			
								D5.029	All wastes from the SCPX Project will be managed with the aim of minimising (a) impacts to the natural environment and (b) potential health hazards to personnel. Where appropriate, waste materials will be reused or recycled, with disposal to landfill as a last resort			
								D5.030	Hazardous waste will be forwarded to a waste disposal contractor licensed to receive and treat hazardous waste			
								D5.080	If permanently manned, domestic sewage from the pigging station will either be treated on or off-site			
								D5.106	The camps will discharge domestic wastewater treated by a sewage treatment package designed to meet the Project standards and permit requirements			
A8	Visual intrusion into landscape	Landscape	Modification of landscape elements (arable land, grasslands) during pipeline construction. Soil removal and soil storage during construction	10.4.3	B to C	2	Low	3.19	Field boundaries will be reinstated to pre-existing condition on completion of construction	B to C	1	Low
		Landscape	Modification of landscape elements (field boundaries, watercourses and trees) during pipeline construction. Trees and vegetation removed. Hard reinforcement at watercourses.	10.4.3	B	3	Low	OP51	Follow-up monitoring to record survival of planted or re-planted trees for off-setting purposes will be undertaken until sustainable growth is achieved	B	1	Low
		Landscape	Temporary modification of views during pipeline construction	10.4.3	B	2	Low	OP141	The existing programme of landscape monitoring of the BTC/SCP ROWs will be extended to include the SCPX ROW and temporary sites	B	1	Low
		Landscape	Permanent modification of views and landscape character at pigging station and block valve sites	10.4.3	B-C	2	Low	9.01	Re-contouring should be sympathetic and in keeping with the surrounding landscape, and as approved by the Company where this is not precluded by risk to integrity of the pipeline or erosion considerations	B	1	Low
								D5.093	Before construction personnel and equipment are demobilised, temporary buildings and equipment, tools and any excess material brought on site or generated during the construction and commissioning programme will be removed			
								4.09	Reinstatement will be undertaken as early as practicable and in accordance with the Reinstatement Specification			
								10.14	Watercourse banks affected by the Project crossings will be restored to near original condition, which will be assessed individually for each watercourse or other area and defined in the Contractor's Reinstatement Implementation Plan. Any deviations (e.g. because hard reinforcement is required for erosion control) shall be subject to Company approval			
								17.08	Compensation planting will be based on the number of trees to be removed. A re-planting ratio will be developed which will be species and region specific			
								30.22	The selection of any further access roads (in addition to those used during BTC/SCP construction) to Project working areas will aim to avoid sensitive receptors such as centres of communities, hospitals, clinics and schools as far as practicable			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

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								8.04	Lights will be shrouded or directed with the aim of reducing off-site light spill at the construction sites, camp and pipe storage areas.			
								D8.02	Sensitive material and colour finishes will be used for the external facades of buildings			
								D5.096	The block valves have been co-located with SCP block valves to minimise cumulative landscape impact			
								OP52	The Project will carry out annual maintenance operations until any new tree planting for off-setting purposes has established			
A9	Disposal of surplus subsoil and aggregate	Landscape	Modification of landscape and views through changed topography	10.4.3	C	3	Medium	1.08	When camps and lay-down areas are taken out of service, the existing aggregate will be used, as approved by the Company to landscape areas of the site before topsoil is spread; where this is not appropriate, the aggregate will be returned to borrow pits/COMPANY approved disposal areas	C	1	low
		Ecology	Smothering of native flora and fauna	10.7.3	D	2	Medium	1.12	Care will be taken to ensure that the trench spoil is spread beneath the topsoil and is not left on the surface	D	1	Low
		Soil and Ground Conditions	Loss of soil structure, fertility and seedbank	10.3.3	C	2	Low	9.01	Re-contouring should be sympathetic and in keeping with the surrounding landscape, and as approved by the Company where this is not precluded by risk to integrity of the pipeline or erosion considerations	C	1	Low
								9.02	All potential subsoil disposal sites and disposal plans will be subject to an environmental and social review prior to their adoption			
								9.04	No side-casting of excess spoil outside the working area will be permitted			
								D5.066	Any surplus subsoil from trench excavations will normally be spread within the working width and within zones that exhibit similar subsoil types. The spreading work will be carried out in a manner that avoids the mixing of soil types to the greatest extent possible			
A10	Disposal of trench-water and hydrotest water	Surface Water	Surface water contamination by sediment or chemicals	10.5.3	C	4	Medium	3.17	The rate of discharge of water will be controlled to reduce the risk of soil erosion	C	2	Low
		Ecology	Reduced primary productivity in watercourses, smothering of invertebrates, lethal or sublethal effects on fish, degradation of spawning habitat	10.7.3	B	3	Low	3.21	Measures to minimise scour and reduce sediment load will be implemented at locations where hydrotest water or other pumped water (including trenchwater) is discharged to surface watercourses or to land (e.g. controlled rate of discharge and deployment of geotextile mats or other physical erosion prevention measures)	B	1	Low
								3.24	At locations where trenchwater or hydrotest water or other pumped water discharges causes scour or soil erosion, eroded areas will be reinstated			
								3.30	When discharge velocities have the potential to create erosion, energy dissipaters will be used to establish sheet flow. Trenches will be dewatered in such a manner that no heavily silt-laden water flows into any wetland or water body			
								10.02	The Project will aim to avoid the direct discharge of trenchwater to watercourses, except where approved by the Company			
								10.03	The locations for discharge of hydrotest water and where possible trench water, will be identified in the Contractor's Pollution Prevention Implementation Plan			
								10.04	If discharge of trenchwater to a watercourse is unavoidable, discharge will be through a filtering medium			
								10.06	Before hydrotesting, the Contractor will prepare, and submit for Company approval, a hydrotest plan			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
								10.08	A risk assessment will be undertaken before any chemical additives are used in hydrotest water			
								10.09	Hydrotest water will be re-used between sections, where practical, to minimise the volume required			
								10.10	Water (including hydrotest water) will be tested before discharge and treated to meet the Project Environmental Standards			
								10.11	Hydrotest water will be treated using diffusers to entrain oxygen in a break tank, and filtration will be used with the aim of minimising suspended solids, prior to discharge. Flow rate will be controlled with the aim of reducing the risk of soil erosion and disturbance to river bed sediment			
								10.15	Sediment reduction measures will be implemented including but not limited to discharge of pumped water via break tanks or sediment mats			
								10.16	Daily visual monitoring of turbidity will be undertaken at river crossings while works are being undertaken at that river. This will be supplemented as necessary by probe monitoring			
								10.21	The direct discharge of hydrotest water to watercourses and soakaways will be subject to the results of the chemical risk assessment. The use of evaporation basins will be considered subject to the availability of land and an environmental and social assessment			
A11	Impeded flow of river or stream	Ecology	Loss of aquatic and water-margin habitats, restriction of fish movement and reduced reproductive success, impaired movement and reduced habitat suitability of other aquatic organisms	10.7.3	B	3	Low	10.18	Only essential construction vehicles (as approved by the Company) will be allowed to enter rivers or streams and only with prior examination of the vehicles for fuel/lubricant leaks. Generally, the Construction traffic will cross watercourses via a flume/culvert (piped bridge), which will be sized so as not to restrict the flow in the watercourse and allow fish and other aquatic organisms to pass through	B	2	Low
		Surface Water	Reduced flow may restrict use by local people	10.5.3	D	3	Medium	11.01	Construction of the surface water crossings will seek to ensure minimal impacts from interrupting river flow by identifying downstream users and determining their river water supply needs	D	2	Medium
								11.02	Construction design of river and stream crossings will seek to ensure minimal interruption to flow by using measures such as pumping, channel diversions and fluming			
								11.03	If temporary damming is required, a pre-construction engineering, social and environmental review will be undertaken with the aim of planning the work to minimise the duration of the flow interruption and determining the need for pump around to maintain flows			
								11.04	Any temporary dams in watercourses to be removed as soon as pipe installation and reinstatement at that crossing is complete			
								D5.079	Before extracting water the Project will consider the presence of any IUCN/Red data book fish species particularly during fish spawning season (which normally occurs within the period April to July) and the mitigations such as 10mm fish screens will be determined by a site assessment and approval by the Company.			
A12	Use of water from river or channel,	Surface Water	Reduced flow may restrict use by local population	10.5.3	D	3	Medium	10.09	Hydrotest water will be re-used between sections, where practical, to minimise the volume required	D	1	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
	e.g. for hydrotesting, dust suppression and make-up water during drilling of non-open cut crossings	Ecology	Loss of aquatic or water-margin habitats, reduced suitability of watercourse for aquatic fauna, removal of aquatic organisms from the river	10.7.3	D	4	High	15.03	River flow will be assessed before and during abstraction; abstraction rates will be set taking into account information that the Contractor is able to acquire about downstream users	D	1	Low
								D5.078	If water is sourced from rivers or channels no more than 10% of the water flow will be extracted at any time			
								D5.079	Before extracting water the Project will consider the presence of any IUCN/Red data book fish species particularly during fish spawning season (which normally occurs within the period April to July) and the mitigations such as 10mm fish screens will be determined by a site assessment and approval by the Company.			
A13	Flooding caused by impeded river or ground surface flows	Soil and Ground Conditions	Soil erosion, soil contamination and loss of fertility	10.3.3	B or C	3	Low to Medium	13.01	The Construction Contractor will monitor weather forecasts and avoid creating temporary dams in watercourses if flooding is likely	B or C	2	Low
		Land Ownership and Land Use; Community Safety	Damage to houses, structures and livestock	10.12.3	C	3	Medium	13.02	Gaps will be left in soil stacks at strategic locations to allow water through	C	1 or 2	Low
		Land Ownership and Land Use	Loss of agricultural productivity	10.13.3	C	3	Medium	13.03	Any flood defence banks breached by the pipeline will be replaced during reinstatement	C	1	Low
								13.05	The Contractor will undertake a flood risk assessment of any major open cut watercourse crossings that are planned to be constructed between April-June inclusive. This will identify potential environmental, social and health and safety impacts if flooding should occur and propose contingency plans with the aim of reducing any potential risks and impacts			
A14	Production and disposal of black and grey water	Groundwater	Groundwater contamination	10.6.3	A to C	3	Low to Medium	14.08	Periodic analysis will be undertaken of controlled stormwater, sanitary and industrial discharges and any receiving surface water upstream and downstream of the discharge point	A-C	1	Low
		Surface water	Surface water contamination	10.5.3	A to C	3	Low to Medium	14.04	Waste water will be reduced by efficient use of raw water and the implementation of water management schemes that require water to be reused, whenever practicable, prior to treatment and disposal	A-C	1	Low
								14.06	All wastewater discharges will be undertaken in compliance with the Project Environmental Standards.			
								D5.106	The camps will discharge domestic wastewater treated by a sewage treatment package designed to meet the Project standards and permit requirements			
								14.09	The applicable discharge permits will be obtained for any new planned liquid discharges, prior to the discharge commencing			
								7.13	Relevant training will be provided to those with responsibilities for monitoring of effluent discharges and emissions, such as effluent sample taking and chain of custody			
								D5.080	If permanently manned, domestic sewage from the pigging station will either be treated on or off-site			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
								OP43	An ambient surface water monitoring programme will be developed during operations for waters that receive discharges from the facilities. Monitoring will be carried out monthly for the first year of operation upstream and downstream of the discharge point, after which the frequency and suite of determinants will be reviewed and revised dependent on the first year's results			
								OP41	A monitoring programme will be developed for sanitary and industrial discharges, which will be monitored at the point of discharge to confirm compliance with the Project Standards. Monitoring will be carried out monthly for the first year of operation, after which the frequency and suite of determinants will be reviewed and revised dependent on the on the first year's results			
A15	Abstraction of groundwater (if needed at construction camps)	Groundwater	Reduced water quality or quantity from established springs, wells etc.	10.6.3	C	2	Low	15.01	All necessary permits/consents to drill and abstract groundwater will be obtained before water is abstracted for construction or domestic use. Groundwater will not be used for pipeline hydrotesting	C	1	Low
		Groundwater	Reduced availability of groundwater and surface water sources such as springs for local users	10.6.3	D	2	Medium	15.02	All new and existing water abstractions for use by the Project will be subject to an environmental and social assessment to assess potential impacts; decisions on the acceptability of the source and appropriate abstraction rates will be based on the results of the review, in accordance with the abstraction permit	D	1	Low
								15.04	The abstraction borehole, when completed, will be test pumped and a sustainable yield will be determined together with aquifer characteristics such as hydraulic conductivity and radius of influence			
								15.05	Water features such as abstractions (boreholes, wells, springs) or environmental features (wetlands, springs, streams or surface water features in continuity with groundwater) will be identified within the likely radius of influence of the abstraction point			
								15.07	Water conservation initiatives will be undertaken at construction camps			
								15.09	If groundwater is extracted for Project use, from either new or existing boreholes at temporary facilities, the water quality and sustainability will be monitored periodically to confirm that the supply meets Project standards and does not impact adversely on other known users			
								OP47	Groundwater quality monitoring will be carried out subsequent to any unplanned events which are assessed as having the potential to impact groundwater quality			
A16	Altered drainage pattern	Groundwater	Trench can act as conduit for groundwater, draining higher areas and flooding lower areas.	10.6.3	C	4 or 5	Medium to High	2.05	Backfill will be adequately (but not excessively) compacted to prevent future settlement	C	1	Low
								3.07	Trench breakers will be installed where downhill flow within the backfilled trench may lead to erosion			
								16.01	The land drainage system will be reinstated to achieve pre-existing functionality			
A17	Loss of natural habitat / vegetation (terrestrial, riparian and aquatic)	Ecology	Reduced biodiversity	10.7.3	C	3	Medium	3.14	A monitoring plan will be developed to determine the success of re-vegetation and bio-restoration activities, including the appropriateness of species composition	C	2	Low
		Ecology	Modified habitat structure	10.7.3	C	3	Medium	3.19	Field boundaries will be reinstated to pre-existing condition on completion of construction	C	2	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Ecology	Loss of breeding & foraging areas for fauna	10.7.3	B	2	Low	10.14	Watercourse banks affected by the Project crossings will be restored to near original condition, which will be assessed individually for each watercourse or other area and defined in the Contractor's Reinstatement Implementation Plan. Any deviations (e.g. because hard reinforcement is required for erosion control) shall be subject to Company approval	B	1	Low
		Ecology	Habitat severance and impacts on movement of fauna	10.7.3	C	2	Low	11.05	Watercourse crossing methods will be developed with the aim of minimising the mobilisation of sediments	C	1	Low
								17.07	The Project will seek to achieve an increasing trend in vegetation re-growth and species diversity (specifically species composition) in reinstated areas with reference to nearby areas undisturbed by Project activities, as recorded by the percent similarity and commonality indices			
								17.08	Compensation planting will be based on the number of trees to be removed. A re-planting ratio will be developed which will be species and region specific			
								17.10	The re-establishment of vegetation will be monitored following reinstatement until it has reached Project near- and long-term re-vegetation targets			
								17.11	Corrective measures will be implemented if establishment of vegetation is not successful or if, following survey and data analysis, the species composition is considered by a Project ecologist to be unsuitable for the area			
								17.05	Temporary works areas will be reinstated to near original condition (as compared to pre-construction survey reports or adjacent areas)			
								19.10	The Company will prepare site specific Ecological Management Plans for priority areas. Contractor will incorporate the requirements of the plans into the site specific method statements			
								17.14	A record will be made of the condition of access roads, construction camps, laydown areas and rail offloading areas and any special features on the RoW before construction to inform the reinstatement works			
								17.16	The Company will encourage EPPD security patrols to use existing access tracks wherever possible, and not to drive along the ROW			
								19.10	The Company will prepare site specific Ecological Management Plans for priority areas. Contractor will incorporate the requirements of the plans into the site specific method statements			
								OP61	When patrolling the pipeline, the Project will use horse patrols wherever practicable minimising vehicular access except where necessary for maintenance purposes			
								D5.045	Existing third-party services and sensitive receptors that need to be avoided during construction (e.g. cultural heritage sites, or specific trees that are to be retained) will be marked			
								32.03	Parking of Project-related vehicles will be restricted to designated areas			
								30.23	The ROW of the SCPX pipeline and any additional temporary workspaces will be surveyed and set out (i.e. marked out and, where necessary, fenced off). The Contractor will be required to keep within the designated footprint			
								17.18	A pre-construction survey between April and May inclusive will be undertaken at pipe storage and camp locations, and any nearby watercourses that may be impacted of the plants and animals present on site to identify any need for site-specific mitigation measures			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
A18	Introduction of competitive species or diseases	Ecology	Poor re-colonisation by local flora following reinstatement	10.7.3	B	2	Low	18.01	No species that are considered likely to out-compete the indigenous plant species will be used in seed mixes	B	1	Low
		Ecology	Modified habitats due to non-native species establishment	10.7.3	B	3	Low	18.02	No invasive species will be used in seed mixes for erosion control or biorestorement	B	1	Low
								18.05	The Contractor shall inspect and wash all plant and equipment prior to shipping to the country of use with the aim of ensuring as far as practicable, it is free from soil and plant material			
								18.07	Where work areas need to be reseeded to promote biorestorement this will be done with locally collected seed. Any deviations to be approved by the Company			
A19	Disturbance or harm to wildlife	Ecology	Reduced breeding potential and population	10.7.3	B-D	1 to 2	Low to Medium	19.04	Welded pipe sections will be capped to prevent entry	B-D	1 to 2	Low to Medium
		Ecology	Changed behaviour	10.7.3	B-D	1 to 2	Low to Medium	19.05	No hunting, fishing or unauthorised gathering of products (including plants and cultural heritage artefacts) by the workforce will be permitted within the Project footprint.	B	1	Low
		Ecology	Increased predation	10.7.3	B-D	1 to 2	Low to Medium	19.06	Wildlife sensitivity to disturbance will be included in workforce training	B	1	Low
		Ecology	Injury or death	10.7.3	B-D	2 or 3	Low to Medium	D5.045	Existing third-party services and sensitive receptors that need to be avoided during construction (e.g. cultural heritage sites, or specific trees that are to be retained) will be marked	B-D	1 or 2	Low to Medium
								19.10	The Company will prepare site specific Ecological Management Plans for priority areas. Contractor will incorporate the requirements of the plans into the site specific method statements			
								19.11a	The Company will check the ROW and any other working area prior to vegetation cutting and topsoil stripping to identify any IUCN Red List or Azerbaijan Red Data Book species			
								19.11b	If any IUCN Red List or Azerbaijan Red Data Book species are found on the ROW or other working area outside of the breeding season (July to September inclusive) they will be moved a safe distance away from the ROW and released into suitable habitat in accordance with the methods in the site specific ecological management plans			
								19.11c	If any IUCN Red List or Azerbaijan Red Data Book species are found hibernating on the ROW or other working area during the hibernating season (October to March inclusive) they will be moved to a new hibernating site a safe distance from the ROW in accordance with the methods in the site specific ecological management plans			
								19.11d	If any IUCN Red List or Azerbaijan Red Data Book species are found nesting on the ROW or other working area they will be left undisturbed until a Company assessment has been carried out taking into account whether the species can be moved or whether it should remain in place until breeding has been completed and the young have moved away from the nest.			
								19.11e	The Company will produce a detailed Method Statement for the safe methods of moving any IUCN Red List or Azerbaijan Red Data Book species or other animals that cannot move easily away from the ROW, and suitable exclusion zones where required			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
								19.12a	The actual location and extent of cultivated and un-cultivated land on the ROW and working areas will be determined during a pre-construction survey. The survey will be completed in the year prior to construction			
								19.12b	The vegetation in areas of uncultivated land where topsoil stripping will occur between April and July (inclusive) will be cut close to ground level in the period between August and March prior to stripping, to discourage birds and other animals from nesting here.			
								19.13a	A survey will be completed for bank nesting fauna on river crossings programmed to be constructed in April-July (inclusive). The survey will be undertaken between April and September in the year prior to construction. It will search in particular for IUCN and RDB species, which may include: Otter (<i>Lutra lutra</i>), European Marbled Polecat (<i>Vormela peregusna</i>), Ladder Snake (<i>Elaphe hohenackeri</i>), Crested Porcupine (<i>Hystrix indica</i>) and hole-nesting birds			
								19.13b	If any bank-nesting IUCN or RDB birds or other animals are found in pre-construction surveys of these watercourses, measures will be taken to aim to prevent inhabitation of the area during construction			
								19.14	All open-cut or watercourse crossings or vehicle crossings constructed between April to July (inclusive) will be checked by the Company for amphibian spawn of suspected red data book species, and if any is found it will be moved to a suitable location upstream			
A20	Impeded movement of wild animals, domestic herds and people due to open trench, pipe string or spoil storage mounds	Ecology	Disruption of animal movements affecting their ability to forage	10.7.3	B	2	Low	20.01	Gaps will be left in soil stacks at strategic locations to allow passage of animals and people where the Project considers it safe to do so	B	1	Low
		Land Ownership and Land Use	Disruption of movement of herds	10.13.3	B	2	Low	32.08	Gaps will be left in pipe strings where safe to do so and necessary to allow people, wildlife and livestock to cross the ROW	B	1	Low
								20.03	Warning barriers and/or signs will be erected where the pipeline route crosses locations identified with local communities as being heavily used by people, including herders			
								32.09	The pipe will not normally be strung on the ROW more than 15km in advance of pipeline welding			
								33.19	Land users and local communities will be consulted to determine their requirements for access across the ROW			
A21	Open excavations (including open trench)	Ecology	Injury to fauna from falling into excavations or death where they cannot escape or where they are at increased risk of predation	10.7.3	B	2	Low	21.01	The length of the continuous open trench (including trench with pipe installed but not backfilled and with a void space greater than 1m) will not exceed 10km per spread and the maximum length of the open trench will not exceed 15km per spread.	B	1	Low
		Land Ownership and Land Use	Accidents to livestock resulting in livelihood loss	10.13.3	C	2	Low	21.02	Each section of open pipeline trench will have sloped ends or other mechanisms to aid egress from the trench	C	1	Low
								21.04	The trench will be checked regularly for wildlife (particularly in sensitive locations)			
								33.13	Mechanisms shall be put in place that allow individuals to express grievances about project-related activities and employees. As part of such mechanisms a grievance register will be used to document all third party grievances, corrective actions and outcomes			
A22	Use of energy	Air Quality and GHG emissions	Reduced air quality	10.8.3	B	1	Low	22.01	Energy efficiency in the camps will be monitored against key performance indicators (KPIs) and measures will be identified and implemented with the aim of continual improvement	B	1	Low
								22.02	The workforce training will include advice on minimising energy consumption.			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
A23	Release of gases and vapours to atmosphere from vehicle exhausts, camp, BVR and pigging station operation, concrete batching, welding, cleaning, and testing of pipeline; and fugitive emissions from fuel storage and refuelling	Air Quality and GHG emissions	Reduced air quality from construction emissions	10.8.3	B	2	Low	7.01	Controlled or uncontrolled burning of waste will not be allowed (with the exception of Company approved incinerators)	B	2	Low
		Air Quality and GHG emissions	Emission of GHGs during operation	10.8.3	B	1	Low	23.02	Equipment and vehicles will be regularly maintained in accordance with the manufacturer's recommendations to maximise fuel efficiency and help minimise emissions	B	1	Low
								23.03	Preferentially, the project will use fuel that has low sulphur content of 0.1%, where practical and available within Azerbaijan			
								7.13	Relevant training will be provided to those with responsibilities for monitoring of effluent discharges and emissions, such as effluent sample taking and chain of custody			
								D12.03	A leak detection system is provided on the pipeline. Following detection of a leak, the block valves on either side of the leak will be remotely closed so that the volume of release will be limited by the distance between the two block valves			
A24	Dust generation, particularly from vehicle movements, storage of excavated materials and operation of concrete batching plant	Air Quality and GHG emissions	Reduced air quality	10.8.3	B	4	Medium	2.02	Vehicle movements will be restricted to defined access routes and demarcated working areas (unless in the event of an emergency)	B	2	Low
		Land Ownership and Land Use	Less honey production and livelihood loss	10.13.3	C	2	Low	4.09	Reinstatement will be undertaken as early as practicable and in accordance with the Reinstatement Specification	C	1	Low
		Land Ownership and Land Use	Reduced fruit and vegetable production and resulting loss to livelihoods	10.13.3	B	2	Low	23.05	Dust generation and concentrations in the air will be visually monitored during construction where activities are near communities. If dust is visible, additional mitigation measures, such as the imposition of tighter speed limits, will be implemented with the aim of avoiding causing disturbance on residents or land users	B	1	Low
								23.06	Vehicles carrying fine materials will be sheeted to help prevent dust blow and spillages			
								24.01	Contractor will be required to have an adequate supply of bowsers and to regularly damp down the ROW, access roads and village roads used by construction traffic during dry conditions			
								24.02	A strict Project speed limit of 30km/hr will be enforced for project vehicles using unmade tracks and the ROW			
								24.12	The distances from the nearest dwellings to temporary working areas will be determined and commitment X8-04 implemented if any dwellings are close enough for there to be medium or high predicted impacts from dust during construction			
								24.05	Community Liaison Officers will identify any beekeepers whose hives are within 300m of the pipeline and facility construction, camp and pipe storage areas or access routes before the start of the honey production season. These beekeepers will be asked to move their hives (both mobile hives and stationary hives) a suitable distance (at least 300 metres) from the route for the season			
								24.06	The Company will develop and implement a policy for the compensation of beekeepers adversely affected by Project impacts			
								24.07	Treated waste water will be used for damping down road surfaces to mitigate dust generation			
								33.01	The Contractor will be required to develop and implement a Grievance Procedure to provide opportunity for local residents to raise concerns			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
								33.18	Community Liaison Officers may assist in raising community awareness about emissions-related issues and ensuring emissions-related complaints are followed up and responses provided			
A25	Noise emissions from vehicle movements; construction activities; construction camp and pipe storage areas; pigging station and BVRs during operation	Noise and Vibration; Ecology	Disturbance affecting breeding and/or behaviour of animals	10.7.3	B	2	Low	25.01	During construction work will generally be undertaken in daylight hours (excluding specified operations). Where people live in close proximity to the works, or there is a high potential for disturbance, a location-specific risk assessment will be undertaken for activities undertaken between 7pm and 7am	B	1	Low
		Noise and Vibration	Disturbance, lack of sleep for shift workers, and loss of concentration for school children	10.9.3	C	2	Low	25.02	Driver training will include advice on behaviours to reduce the potential for disturbance, including use of horn, loud radios with windows open, switching engines off when not in use, strictly observing speed limits and not accelerating or braking aggressively	C	2	Low
								25.03	Project induction training will include instructions about minimising noise disturbance			
								25.04	Local residents will be forewarned of planned activities that are considered by the project to be noisy (e.g. pile driving and release of test pressure)			
								25.05	Noise will be monitored periodically against the Project Environmental Standards			
								25.07	Camp rules will be developed and implemented and will include restrictions on noisy activities (e.g. inappropriate use of personal radios) to help avoid causing disturbance			
								25.08	The project will avoid vehicle reversing where practical, and will preferentially use white noise type reversing alarms			
								25.09	During construction of the pipeline and facilities and operation of the construction camp and pipe storage areas, where the works are less than 400m from residential buildings for longer than one month, periodic noise monitoring readings of ten minutes duration (in accordance with the Project procedure), will be measured at the building facade at the start of the potentially noisy activities. If the noise exceeds Project Standards, measures will be implemented to aim to reduce noise levels (e.g. hoardings).			
								25.20	The distances from the nearest dwellings to temporary working areas will be determined and commitments 25.09, X9.03 and X9.04 implemented where dwellings are close enough for there to be medium or high predicted impacts from noise during construction			
								25.11	During commissioning and testing, noise emissions from equipment will be minimised through use of acoustic insulation as deemed appropriate by the Project			
								33.01	The Contractor will be required to develop and implement a Grievance Procedure to provide opportunity for local residents to raise concerns			
								33.18	Community Liaison Officers may assist in raising community awareness about emissions-related issues and ensuring emissions-related complaints are followed up and responses provided			
								37.08	Surface of frequently used access roads will be subject to regular inspections and repair, with the aim of ensuring they are maintained in a good condition particularly where fragile buildings are close to roads (subject to site-specific survey)			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
								37.10	Night-time driving will be by exception only, as approved by Company to minimise driving risk and disturbance to communities			
								OP28	The project will monitor the occurrence of noise complaints in respect of the BVRs and pigging station as part of the operational grievance procedure to determine whether there is a specific link with noisy activity and determine whether further action is required			
								OP50	A preventative maintenance programme will be implemented that is designed to ensure that all plant and equipment operate in accordance to with Project Standards			
								OP148	During early operations, 10-minute readings will be taken at the nearest noise sensitive receptors to the pigging station to confirm that the site will meet the appropriate Project Environmental Standards			
A26	Vibration from vehicle movements and construction operations	Noise and Vibration	Damage to houses and other structures	10.9.3	B	1	Low	24.02	A strict Project speed limit of 30km/hr will be enforced for project vehicles using unmade tracks and the ROW	B	1	Low
								25.13	Vibration sensitive locations will be determined by the Contractor and listed in their Pollution Prevention Implementation Plan, together with details for monitoring vibration before and during movement of heavy equipment. Further actions will depend on the outcome of vibration monitoring			
								25.14	A survey will be undertaken to record the external condition of buildings in close proximity to the ROW or access roads prior to construction; this will provide baseline evidence in the event of claims for damage			
								25.15	The validity of any damage claims will be assessed; repairs will be undertaken or appropriate compensation paid if damage is associated with construction vehicle movements			
								25.16	Correct tyre pressures will be monitored and maintained			
								37.08	Surface of frequently used access roads will be subject to regular inspections and repair, with the aim of ensuring they are maintained in a good condition particularly where fragile buildings are close to roads (subject to site-specific survey)			
A27	Disturbance of archaeological remains	Cultural Heritage	Disturbance of archaeological remains during maintenance carried out in the operations phase	10.10.3	C	4	Medium	27.01	A Cultural Heritage Management Plan will be implemented that includes the five-phase strategy for the progressive assessment and mitigation of the effects of construction	C	1	Low
		Cultural Heritage	Loss/disturbance of known archaeology	10.10.3	C	4	Medium	25.13	Vibration sensitive locations will be determined by the Contractor and listed in their Pollution Prevention Implementation Plan, together with details for monitoring vibration before and during movement of heavy equipment. Further actions will depend on the outcome of vibration monitoring	C	2	Low
		Cultural Heritage	Loss/disturbance of archaeology carried out during construction	10.10.3	C	4	Medium	27.02	Areas of potential cultural heritage impact will be examined and any necessary excavations conducted prior to construction	C	2	Low
								27.03	Archaeological sites identified during construction will be archaeologically recorded			
								27.04	Pre-construction works to evaluate and record known archaeological sites will be agreed with the Ministry of Culture			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
Ref	Description	Topic	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
								25.16	Correct tyre pressures will be monitored and maintained			
								27.05	A programme of archaeological surveillance (watching brief) will be implemented during topsoil stripping of the ROW, the facility sites, construction camps and equipment lay-down areas and ancillary areas, and ROW trenching. The Company will be empowered to temporarily stop works, pending archaeological examination, if artefacts are seen			
								27.06	If archaeological artefacts or structures are found, archaeological advice will be sought from Azerbaijan Academy of Science, Archaeology and Ethnography Institute and the Ministry of Culture, and the Chance Finds Procedure followed			
								27.07	The archaeologist conducting the watching brief will advise on procedures to be followed by the construction supervisor in line with the Chance Finds Procedure			
								27.08	The Company will consider making minor adjustments to the route of the pipeline where this will avoid damage to a cultural heritage feature that is discovered during construction operations			
								27.09	If the pipeline route cannot easily be adjusted to avoid damaging the feature, construction activities will be suspended at the site until the excavation and recording required by the authorities has been carried out			
								27.10	Known archaeological sites within 50m of the pipe centreline or other construction activity will be demarcated throughout construction			
								27.11	Issues relating to archaeological awareness (such as ownership of finds, notification of finds and protection of archaeological sites) will be included in induction training			
								27.13	Any ripping or other ground disturbance activities required during reinstatement will be planned to avoid archaeological evidence that has been preserved in-situ			
								37.20	Prior to selection, all access routes will be subject to a multidisciplinary assessment			
								19.05	No hunting, fishing or unauthorised gathering of products (including plants and cultural heritage artefacts) by the workforce will be permitted within the Project footprint.			
								OP139	Activities involving topsoil stripping and excavation during operation, which are undertaken outside of areas previously disturbed during project construction, will be subject to a cultural heritage assessment to determine appropriate mitigation measures before the work begins			
A28	Employment	Demographics	Increase in birth rate	10.11.3	C	2	Low	28.01	To help minimise the extent of in-migration, the Project's strategy on local recruitment will be disseminated publicly, including via media announcements at regional and national levels (as appropriate)	C	1	Low
		Demographics	Reduced out-migration	10.11.3			Beneficial	28.02	Unskilled labour will be preferentially recruited from the Project Affected Communities			Beneficial
		Demographics	Unplanned in-migration increases	10.11.3	C	3	Medium	28.03	Applications for employment will only be considered if submitted via the official application procedure	C	1	Low
		Employment, Skills and Livelihoods	Increase in jobs available and incomes, leading to enhanced circulation of money in local/PAC economies resulting in overall economic growth, albeit small-scale	10.14.3			Beneficial	28.04	Targets for local recruitment from PACs will be agreed with the Contractor. These will be designed to meet legal requirements			Beneficial
		Community Relations	Local concerns associated with recruiting local contractors/workers from regions away from the Project	10.12.3	C	3	Medium	28.05	The Project will seek to manage employment expectations by explaining the number and type of opportunities in advance to local communities via the Community Liaison Officers	C	2	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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		Employment, Skills and Livelihoods	Unmet employment expectations and/or resentment between local people who are employed by the project and those whose applications were unsuccessful	10.14.3	C	4	Medium	28.06	Recruitment procedures will be transparent, public and non-discriminatory and open with respect to ethnicity, religion, sexuality, disability or gender	C	3	Medium
		Employment, Skills and Livelihoods	Improved standard of living for households with members who have increased incomes due to employment of local people	10.14.3			Beneficial	28.07	Clear job descriptions will be provided in advance of recruitment and will explain the skills required for each post			Beneficial
									28.08	Community Liaison Officers will monitor that PACs are given priority in recruitment and that recruitment is non-discriminatory in terms of PACs and ethnicity.		
		Employment, Skills and Livelihoods	Retrenchment/loss of jobs	10.14.3	C	4	Medium	28.09	When appropriate, on-the-job training will be provided to enable local employees gain new and/or improved skills while working on the Project	C	3	Medium
		Employment, Skills and Livelihoods	Loss of skilled employees to SCPX from small and medium sized enterprises and public sector and adverse effect on output/service delivery	10.14.3	C	2	Low	28.10	The workforce training programme will include refresher and induction training with the aim of ensuring that all recruits have the necessary understanding and knowledge levels for each job, in particular with regard to HSE issues	C	2	Low
		Employment, Skills and Livelihoods	Enhanced skills amongst workforce	10.14.3			Beneficial	28.11	Environmental and social issues will be included in workforce and visitor induction training			Beneficial
		Employment, Skills and Livelihoods	Agricultural lands not cultivated for up to 2-3 years as self-employed subsistence farmers work for SCPX and then farmers find it difficult to take up farming again after losing jobs.	10.14.3	C	2	Low	28.12	Particular emphasis will be paid to health and safety and community relations, with additional technical toolbox talks given on specific issues	C	2	Low
									28.13	Additional on-the-job informal training sessions and discussions will be provided as necessary during construction of the different SCPX component projects		
									28.20	The Contractor will advise workers about risks of neglecting their land during recruitment process		
									28.14	All workers will have contracts describing conditions of work and will have the contents explained to them		
									28.15	As part of the recruitment programme community liaison teams will seek to manage any misconceptions about perceived differences in pay or conditions		
									28.17	Job vacancies will be advertised in the PAC through appropriate and accessible media (consistent with employment targets)		
									28.18	A Plan will be developed and implemented that will aim to discourage and prevent the workforce from purchasing goods from informal vendors to discourage vendors from establishing themselves at construction camp fence-lines in the hope of securing additional business.		
									28.21	The Contractor will prepare a retrenchment plan, with the aim of reducing the impacts of cessation of employment contracts		
									28.22	The Contractor will explain the temporary nature of jobs during the recruitment process and explain to workers the need to prepare for losing jobs and to manage their income wisely while employed		

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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								28.23	The Project will give priority to people from the construction camp PACs for employment opportunities within the camp where suitably qualified (e.g. cook, housekeeper, etc)			
A29	Provision of goods and services	Employment, Skills and Livelihoods	Resentment from business owners whose offer of goods and services is refused	10.14.3	C	3	Medium	1.02	Environmental considerations will be included in the project procurement process	C	2	Low
		Demographics	Reduced out-migration	10.11.3			Beneficial	28.18	A Plan will be developed and implemented that will aim to discourage and prevent the workforce from purchasing goods from informal vendors to discourage vendors from establishing themselves at construction camp fence-lines in the hope of securing additional business.			Beneficial
		Demographics	Unplanned in-migration increases	10.11.3	C	3	Medium	29.03	Taking into account relevant commercial considerations as appropriate, the project will seek to purchase goods and services from within Azerbaijan and will monitor such purchases	C	1	Low
		Demographics	Increase in birth rate	10.11.3	C	2	Low			C	1	Low
		Employment, Skills and Livelihoods	Increase in sales for local businesses and those involved full/part-time in 'cottage' industries	10.14.3			Beneficial					Beneficial
A32	Permanent or temporary loss/severance of agricultural land or property	Land Ownership and Land Use.	Pipeline corridor: land is occupied on a temporary basis during construction only, then reinstated to its previous condition and handed back for agricultural use to the identified owner or user - The impact is therefore the inability to use land for agriculture during construction and during the reinstatement period post-construction	10.13.3	D	4	High	3.11	Once the topsoil has been replaced it will be stone picked to remove any large stones that are not in keeping with the surrounding soil texture	D	2	Low
		Land Ownership and Use	Potential secondary impacts on productivity or crops arising from: - soil erosion, damage to soil properties, soil compaction-accidental contamination during construction - loss of timber being grown for its products, e.g. fuel or fruit - impacts resulting from diversion or lowering of groundwater- impacts of dust, e.g. on bees		D	4	High	16.01	The land drainage system will be reinstated to achieve pre-existing functionality	D	2	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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		Land Ownership and Land Use	Temporary construction related facilities: land is occupied on a temporary basis during construction only, then reinstated to its previous condition and handed back for agricultural or other use to the identified owner (typically a municipal administration as most but not all of these facilities are located on municipal land and land users). The impact is therefore the inability to use land for agriculture during construction and during the reinstatement period post-construction.	10.13.3	C	3	Medium	17.16	The Company will encourage EPPD security patrols to use existing access tracks wherever possible, and not to drive along the ROW	C	2	Low
		Land Ownership and Land Use	Severance of access to cultivated plots during construction, impeding farmers' access to a plot and resulting in total or partial loss of crop	10.13.3	C	3	Medium	17.14	A record will be made of the condition of access roads, construction camps, laydown areas and rail offloading areas and any special features on the RoW before construction to inform the reinstatement works	C	2	Low
		Land Ownership and Land Use	Damages to crops in plots neighbouring the pipeline construction corridor, due for example to spill over of earth or intrusion of equipment	10.13.3	C	3	Medium	32.01	The project will consult with local government authorities, landowners and land users, including graziers, before restricting access to land and will establish the need for temporary fencing.	C	2	Low
								32.03	Parking of Project-related vehicles will be restricted to designated areas			
								32.04	The Project will provide a substitute for watering holes used by livestock that cannot be used due to Project-related actions. The substitute will be of a type, and in a location, to be agreed with representatives of the livestock owners and herders			
								32.05	The Company Land Acquisition Team, environmental representative and the construction contractors will carry out an exit inspection with the previous land owner/user of all land that was used during the construction period			
								32.07	The project will inform land owners/users about any reuse restrictions that apply to land used by the project			
								32.09	The pipe will not normally be strung on the ROW more than 15km in advance of pipeline welding			
								32.17	The Project will seek to identify whether any herders use the construction areas and aim to consult with them on potential restrictions during construction			
								36.03	If impacts to third party land or crops is caused by Project activity for example due to interruption of irrigation or drainage the project procedure on land and crop damage will be applied			
								D5.096	The block valves have been co-located with SCP block valves to minimise cumulative landscape impact			
								2.02	Vehicle movements will be restricted to defined access routes and demarcated working areas (unless in the event of an emergency)			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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								OP133	The project will maintain liaison with all land owners along the pipeline route, and with authorities and utilities companies to track proposals for third party buildings activities that could affect the pipeline			
								OP25	Operations will liaise with the government authorities to establish guidelines regarding patrol behaviour with respect to access to/transit through agricultural lands and the reporting of any damage			
A33	Community relations	Community Relations	Tensions resulting from cultural differences, anti-social behaviour of construction workforce, potential prostitution and attraction of 'hangers on' at camp sites	10.12.3	C	4	Medium	33.01	The Contractor will be required to develop and implement a Grievance Procedure to provide opportunity for local residents to raise concerns	C	3	Medium
		Community Relations	Frustration and resentment if local workers perceive that foreign workers are receiving better pay or conditions for exactly the same job.	10.12.3	C	4	Medium	33.02	All workers will receive at least the minimum wage as defined by Azerbaijan national law	C	3	Medium
								33.03	The community liaison teams will maintain regular liaison with local communities before, during and after construction			
								33.04	An employee Code of Conduct will be prepared and issued to all recruits and camp residents during the employee induction process.			
								33.14	To avoid disturbance of particular local events such as funeral ceremonies by construction traffic, the Community Liaison Officers will encourage local community authorities to provide advance warning of funerals (and other similar events) so that the Contractor can avoid the movement of heavy vehicles, equipment and pipe through settlements at these times			
								33.06	The Employee Code of Conduct will prohibit the workforce from participating in illegal activities, including use of illegal drugs, bribery and corruption or requesting or receiving gifts from communities			
								33.08	A Company policy limiting alcohol consumption in construction camps will be applied			
								33.09	Workforce training will include a briefing on camp rules and awareness of local issues and sensitivities			
								33.10	No unauthorised access to, or use of, camp facilities will be allowed			
								33.11	A range of recreational facilities will be provided within the camps to reduce the need for finding recreation in the local community			
								33.13	Mechanisms shall be put in place that allow individuals to express grievances about project-related activities and employees. As part of such mechanisms a grievance register will be used to document all third party grievances, corrective actions and outcomes			
A34	Loss of field boundaries	Land Ownership and Land Use	Impediment to agricultural use of land	10.13.3	C	3	Medium	3.19	Field boundaries will be reinstated to pre-existing condition on completion of construction	C	2	Low
		Land Ownership and Land Use	Accidents to livestock resulting in livelihood loss	10.13.3	B	2	Low	17.14	A record will be made of the condition of access roads, construction camps, laydown areas and rail offloading areas and any special features on the RoW before construction to inform the reinstatement works	B	1	Low
								32.07	The project will inform land owners/users about any reuse restrictions that apply to land used by the project			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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								33.13	Mechanisms shall be put in place that allow individuals to express grievances about project-related activities and employees. As part of such mechanisms a grievance register will be used to document all third party grievances, corrective actions and outcomes			
								34.01	Any field boundaries that are removed will be replaced with temporary fencing to meet reasonable landowner/user requirements			
A35	Damage to third party infrastructure (pipelines, cables etc)	Infrastructure and Services	Temporary loss of supply to other consumers	10.15.3	D	3	Medium	35.01	Contractor will prepare a Method Statement that includes measures to protect the integrity of the third-party services and is acceptable to the service operator	D	2	Medium
								35.02	Any damage to third-party services to be repaired promptly in consultation with, or by the service operator			
								35.03	Any planned diversion of services will be communicated to local authorities and affected communities at least 72 hours in advance of the works			
								35.04	In the event of a disruption to services the Contractor will work with the service owner to effect repair in reasonable time			
								35.09	Pre-entry agreements including reinstatement requirements will be agreed prior to work affecting third party assets			
								D30.01	Where it is considered that there is a higher risk of the pipeline being damaged or interfered with, or where other services are crossed and at track and road crossings, the pipeline will be covered by concrete slabs at open cut crossings			
A36	Disruption of irrigation/drainage infrastructure	Land Ownership and Land Use	Temporary disruption of irrigation or drainage causing loss of agricultural production	10.13.3	C	2	Low	35.05	Surveys of irrigation and drainage systems will be undertaken before construction to determine their location and condition	C	1	Low
								35.06	The Contractor will aim to maintain the integrity and viability of functional irrigation and drainage systems will be maintained throughout construction, for example, by using measures such as pumping, channel diversions and fluming. Any deviations will be subject to approval of the Company			
								35.07	Affected landowners and occupiers will be consulted to determine their views on the requirement for temporary measures if irrigation systems are to be disrupted			
								35.08	Any disrupted irrigation or drainage system will be reinstated on completion of construction to a standard at least equal to their original condition			
								16.01	The land drainage system will be reinstated to achieve pre-existing functionality			
								36.03	If impacts to third party land or crops is caused by Project activity for example due to interruption of irrigation or drainage the project procedure on land and crop damage will be applied			
A37	Use of local road network by construction traffic	Traffic and Transport	Congestion leading to delays	10.16.3	A-C	2	Low	33.14	To avoid disturbance of particular local events such as funeral ceremonies by construction traffic, the Community Liaison Officers will encourage local community authorities to provide advance warning of funerals (and other similar events) so that the Contractor can avoid the movement of heavy vehicles, equipment and pipe through settlements at these times	A-C	1	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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		Infrastructure and Services	Deterioration of road conditions leading to increased journey time, damage to vehicles, increased risk of accidents, creation of informal off-road by-passes	10.15.3	A-D	1 to 3	Low to Medium	37.07	Following construction, the Contractor will repair roads to at least their pre-construction condition	A-C	1	Low
		Infrastructure and Services	Road widening and improvement resulting in more efficient transport links for local people	10.15.3			Beneficial	37.08	Surface of frequently used access roads will be subject to regular inspections and repair, with the aim of ensuring they are maintained in a good condition particularly where fragile buildings are close to roads (subject to site-specific survey)			Beneficial
								37.11	The project will aim to provide buses to transport non-camp resident workers to the construction sites			
								37.14	Where it is necessary to maintain traffic flow, the crossing will be made in two stages, and only one half of the road width will be used at a time. Steel plates will be laid to maintain one lane of through traffic			
								30.24	The contractor will be expected to use the designated access roads and to apply for Company consent to use any new or existing roads not designated for Project use			
								37.17	The Project will undertake a road condition survey before construction begins in areas as defined by Project			
								37.18	The Project will use the existing access roads established for construction of the BTC and SCP pipelines to access the pipeline ROW as far as practical			
								37.05	The authorities will be notified when oversize heavy loads need to be transported and the loads will be escorted by the Project			
								37.20	Prior to selection, all access routes will be subject to a multidisciplinary assessment			
								D5.036	The line pipe will be transported by rail to off-loading points. The rail offloading points will be close to or co-located with pipe storage areas to reduce the number of HGV movements			
								D5.055	Line pipe shall be transported by trucks from the pipe yards to the ROW along approved access routes and then along the ROW to the required location			
A38	Road closure	Infrastructure and Services	Disruption of traffic flows causing inconvenience to local users	10.15.3	A-C	2	Low	37.01	Advance warning (at least 72 hours) of any road/track closures will be provided to local communities	A-C	1	Low
								37.02	A bypass/alternative routes will be provided at locations where road closure is unavoidable			
								37.03	Temporary traffic control (e.g. flagmen) and signs will be provided where necessary to improve safety and provide directions			
								37.05	The authorities will be notified when oversize heavy loads need to be transported and the loads will be escorted by the Project			
								37.14	Where it is necessary to maintain traffic flow, the crossing will be made in two stages, and only one half of the road width will be used at a time. Steel plates will be laid to maintain one lane of through traffic			
A39	Storage of chemicals, oil, fuel, accidental spills and mud break-out during drilling of non-open cut crossings	Soil and Ground Conditions	Contamination of soil	10.3.3	C	4	Medium	6.09	Relevant personnel will be trained in safe use and handling of hazardous materials	C	2	Low
		Surface Water	Contamination of water used for irrigation and industrial water supply with sediment, fuel or chemicals	10.5.3	C	5	High	6.03	The storage of hazardous materials will be restricted to designated impermeable hazardous materials storage areas located at least 50m from any surface watercourse or seasonal water channel	C	2	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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		Surface Water	Contamination of water used for potable water supply with sediment, fuel or chemicals	10.5.3	D	3	Medium	6.04	Requirements for the establishment of hazardous materials storage areas (e.g. bunding, impermeable surfaces, secure drainage, limited access, labelling) will be identified in the Contractor's Pollution Prevention Implementation Plan	D	2	Medium
		Groundwater	Potential for groundwater contamination due to spills or leaks	10.6.3	C-E	4	Medium - High	6.05	A refuelling procedure will be developed by the Contractor, which will include a restriction on refuelling within 50m of any watercourse. Any deviation will be subject to approval by the Company	C-E	1	Low
		Ecology	Stress or mortality of flora and fauna due to drilling mud break out or spills into watercourses	10.7.3	D	4	High	6.06	The Contractor's Implementation Plan will detail requirements for record keeping and on-site maintenance of material safety data sheets (MSDS)	D	1 or 2	Low or Medium
								6.07	Materials that can potentially react with each other will be segregated during storage			
								6.08	Procedures will be established to determine acceptability of material storage and to promote the minimisation of storage volumes			
								6.10	Spill response equipment (absorbents etc.) will be available in hazardous materials storage areas			
								6.11	Relevant construction personnel will be trained in use of spill kits and disposal practices			
								6.12	A trained rapid response team will be mobilised in the event of spillage of hazardous materials			
								6.20	Vehicles delivering fuel or hazardous liquids will carry appropriate spill kits to allow an initial response to any spill to be deployed			
								6.21	All mobile plant (excluding vehicles) will be integrally bunded or will be equipped with a bund or drip tray that will be regularly inspected and emptied to prevent rainwater accumulating			
								10.01	Concrete batching plant (if required) will be sited at least 50m away from sensitive receptors such as watercourses; wash pits to be lined with an impermeable liner			
								14.03	In areas of wetland and areas where the groundwater supplies wells for irrigation or potable use, the storage and use of hazardous materials will be carefully controlled			
								6.26	Drilling and tunnelling mud will be stored in impermeable lined bunded areas or tanks			
								39.06	Any additives proposed to be added to the drilling mud will be subject to an environmental risk assessment before their use is approved by Company			
								10.22	Washing of Project plant and vehicles in watercourses will not be undertaken			
								7.10	Diesel storage tanks at temporary sites (e.g. construction camps, rail spur, offloading and pipe storage areas), on the ROW and at the AGIs will be located in suitably sized secondary containment with an impermeable liner. The secondary containment volume will be designed to no less than 110% of the tank volume. Loading and off-loading connections will be located over secondary containment.			
								7.11	Hazardous chemicals will be securely stored on site in special containers in a designated storage area			
								7.12	Regular inspections and maintenance will be carried out of secondary containment area at camps to confirm that they are functioning effectively			
								7.13	Relevant training will be provided to those with responsibilities for monitoring of effluent discharges and emissions, such as effluent sample taking and chain of custody			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

ISSUE		POTENTIAL IMPACTS			POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
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								7.14	Information will be incorporated into the induction process and will outline the role of personnel in the management of waste and emissions from site and spill response procedures.			
								7.16	The river crossing contractor will prepare a plan to respond to an outbreak of drilling mud if this occurs during a non-open-cut crossing, including clean up and remediation for outbreak on land and liaison with downstream users in the event of outbreak in the water			
A40	Disturbance of Unexploded Ordnance	Soil and Ground Conditions	Cleanup of unexploded ordnance will reduce the risk of injury or death to both construction personnel and the public	10.3.3	E	5	High	39.01	The relevant authorities will be consulted if the need for any additional land take is identified and the relevant permits and consents will be obtained			Beneficial
								40.01	A UXO safety and security briefing will be provided to all personnel during induction			
								40.02	Where the risk of UXO is identified the area will be cleared prior to construction			
A41	Change to proposed work areas or methods		Inadequate mitigation of potential impacts	-				39.01	The relevant authorities will be consulted if the need for any additional land take is identified and the relevant permits and consents will be obtained			
								39.02	Site assessments (taking into consideration ecology, cultural heritage, social, erosion risk, water resources) will be undertaken if the need for additional land is identified following submission of the ESIA			
								39.03	An environmental and social assessment report will be prepared by the Project if any additional land outside that described in the ESIA is to be used, the scale of which will depend on the proposed activities and sensitivities of the area			
								OP19	Should there be any significant changes to the operations of SCPX such as increased throughput, environmental policies and standards shall be considered as an integral part of any engineering assessment. This will be achieved through the Management of Change system			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

Ref	Description	Topic	Impact	ESIA Ref	Significance	Probability		Ref	Commitments Relating to the Issues	Significance	Probability	
A30	Community Health and Safety		Risk of accident to local people and livestock particularly from open excavations	10.12.3	High	6		2.02	Vehicle movements will be restricted to defined access routes and demarcated working areas (unless in the event of an emergency)	High	5	
			Risk of accident to local people and livestock particularly from traffic	10.12.3	High	6		3.09	Local people will be actively discouraged from using the ROW as an access road (through use of signage, public education, leaflets etc.)	High	5	
			Risk of conflict between community members and security personnel leading to injury or death	10.12.3	Medium	6		3.34	If water accumulates in the open trench (either from rainfall or because of a high water table), it will be pumped out before the pipe is lowered into the trench. All trench water will be discharged safely with the aim of minimising erosion	Low	3	
			Risk of deterioration of patient's condition as a result of delays in reaching a medical facility	10.12.3	Medium	6		6.10	Spill response equipment (absorbents etc.) will be available in hazardous materials storage areas	Medium	5	
								6.12	A trained rapid response team will be mobilised in the event of spillage of hazardous materials			
								6.20	Vehicles delivering fuel or hazardous liquids will carry appropriate spill kits to allow an initial response to any spill to be deployed			
								19.04	Welded pipe sections will be capped to prevent entry			
								19.07	All drivers will undergo safety and environmental and social awareness training; driving performance will be assessed and monitored with additional training provided if necessary			
								20.03	Warning barriers and/or signs will be erected where the pipeline route crosses locations identified with local communities as being heavily used by people, including herders			
								21.01	The length of the continuous open trench (including trench with pipe installed but not backfilled and with a void space greater than 1m) will not exceed 10km per spread and the maximum length of the open trench will not exceed 15km per spread.			
								24.02	A strict Project speed limit of 30km/hr will be enforced for project vehicles using unmade tracks and the ROW			
								30.02	At sensitive locations where Project construction traffic will be using local roads, and particularly where schools and markets are close to the road, awareness of safety issues will be raised through village meetings and classroom lessons			
								30.04	Protective barriers will be erected at excavations at a road or river crossing, close to a community or that are flooded temporarily in accordance with the Community HS&S Plan; warning barriers will be deployed around areas of lesser risk to members of the public			
								30.06	Bridges will be provided across open trenches and welded pipes at locations where there is a demonstrable need for people to cross, if it is reasonable for them to do so and can be accommodated safely, taking into account works being undertaken in that area at the time			
								30.08	Community Liaison Officers (CLOs) appointed by the Contractor will participate in, or deliver safety awareness training to, local children and their parents and/or their teachers			
								30.09	Water will be pumped from flooded excavations (e.g. with centrifugal pumps or well-points as appropriate) where a risk assessment concludes that they present a safety risk			
								30.10	The project will implement the Voluntary Principles on Security and Human Rights			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

Ref	Description	Topic	Impact	ESIA Ref	Significance	Probability			Ref	Commitments Relating to the Issues		Significance	Probability		
									30.12	During construction (and operations), due diligence will be applied to selection of security providers, rules of engagement will be devised, and training provided to all personnel. Performance will be monitored and audited periodically					
									30.15	Random drug and alcohol testing of the workforce will be conducted, recorded and audited regularly					
									30.17	Warning posts and bunting will be erected to mark overhead cables and temporary crossing points					
									30.18	Construction traffic warning signs will be positioned at road crossings and other appropriate locations as determined by the Project, for example along access routes before they are used by construction traffic					
									30.21	Where traffic is diverted around crossings, traffic control or careful selection of the exit from the working areas will be provided with the aim of ensuring that vehicles join the road in a safe manner					
									30.22	The selection of any further access roads (in addition to those used during BTC/SCP construction) to Project working areas will aim to avoid sensitive receptors such as centres of communities, hospitals, clinics and schools as far as practicable					
									30.23	The ROW of the SCPX pipeline and any additional temporary workspaces will be surveyed and set out (i.e. marked out and, where necessary, fenced off). The Contractor will be required to keep within the designated footprint					
									30.24	The contractor will be expected to use the designated access roads and to apply for Company consent to use any new or existing roads not designated for Project use					
									31.02	Risk assessments will be carried out to identify sensitive receptors such as hospitals and clinics along Project access routes. The project will ensure that access to and from these facilities is not restricted by Project activities or an alternative access is in place and has been agreed with the hospital or clinic staff					
									31.03	SCPX-related drivers will be briefed so they understand the importance of ensuring free access and egress of ambulances to the hospital and all traffic to clinics					
									31.06	Medical waste will be disposed of via a medical contractor or a Company approved incinerator					
									32.08	Gaps will be left in pipe strings where safe to do so and necessary to allow people, wildlife and livestock to cross the ROW					
									32.09	The pipe will not normally be strung on the ROW more than 15km in advance of pipeline welding					
									33.01	The Contractor will be required to develop and implement a Grievance Procedure to provide opportunity for local residents to raise concerns					
									33.15	The project will review measures to mitigate community health and safety impacts regularly, and consult PAC leaders every six months, informing them on the status of implementation and results, and discussing any changes needed to the 'Pollution Prevention Plan' or the 'Community Health, Safety and Security Plan' in advance of proposed changes					
									33.16	Information will be disclosed to PAC leaders regarding potential community health and safety impacts and mitigations at a sufficient level of detail to help these stakeholders to fully understand current and expected risks, and, as necessary, additional measures to be implemented					

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

Ref	Description	Topic	Impact	ESIA Ref	Significance	Probability			Ref	Commitments Relating to the Issues	Significance	Probability			
									33.19	Land users and local communities will be consulted to determine their requirements for access across the ROW					
									37.03	Temporary traffic control (e.g. flagmen) and signs will be provided where necessary to improve safety and provide directions					
									37.04	Temporary traffic control measures will be employed at road crossings and junctions (flagmen, temporary traffic lights) where a safety risk assessment has identified traffic control measures will reduce the risk of traffic accidents					
									37.05	The authorities will be notified when oversize heavy loads need to be transported and the loads will be escorted by the Project					
									37.06	At locations where schools are very close to a road used by SCPX traffic, the construction contractor will plan works to minimise the delivery of heavy loads at times when children are likely to be walking to and from school					
									37.09	All contractors and subcontractors will adhere to BP driving rules					
									37.10	Night-time driving will be by exception only, as approved by Company to minimise driving risk and disturbance to communities					
									D11.02	There will be increased depth of cover at crossings: road crossings will generally be installed with 2.0m cover; rail crossings have at least 3.0m cover and unpaved roads will have at least 1.5m cover					
									D11.03	Concrete slabs will be installed at open-cut road crossings to protect SCPX from future road construction activities and excavations along roads or the verges					
									D11.04	A general minimum separation distance of 20m is applied between SCPX and SCP/BTC. At crossings, additional control of work measures will be applied					
									D5.010	Where the SCPX pipeline crosses buried services or pipelines, trenchless or open cut crossing methods will be adopted. A typical vertical separation between the SCPX pipeline and the existing service or pipeline will be 1500mm where trenchless techniques are used, and 900mm where open cut techniques are used.					
									D30.01	Where it is considered that there is a higher risk of the pipeline being damaged or interfered with, or where other services are crossed and at track and road crossings, the pipeline will be covered by concrete slabs at open cut crossings					
									OP140	Local residents will be advised of activities that could threaten the integrity of the pipeline, such as the extraction of aggregate					
									OP131	ROW patrols will monitor river crossing to provide assurance of the integrity of any river protection works and river banks. This will include a visual inspection for river bank erosion or changes to channel morphology					
									D5.011	Construction of crossings of the existing BTC and SCP pipelines will be controlled under the existing pipeline operations permit to work system and the activity will be subject to a specific risk assessment undertaken by both the construction contractor and BTC and SCP operations team					
									OP121	When the 56"-diameter pipeline is operating, regular patrols of the pipeline by ROW horse patrols, vehicular patrols (using existing access tracks) and security patrols will lessen the risk of third-party interference					
									OP123	The pipeline and facilities will be regularly inspected and maintained					
									OP125	The relevant authorities will be informed in the case of planned or actual third-party development within the relevant pipeline and facility protection zones					

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

Ref	Description	Topic	Impact	ESIA Ref	Significance	Probability		Ref	Commitments Relating to the Issues	Significance	Probability	
A31	Community Health		Spills impacting surface water and groundwater leading to community health impacts	10.12.3	Med.	6		31.04	The project will apply a risk assessment approach to contaminated land management to evaluate the potential impact of soil, surface water or groundwater contamination on local receptors	Med	3	
			Potential for field related activity leaks and spills leading to soil contamination which may result in community health impacts	10.12.3	Med.	6		6.12	A trained rapid response team will be mobilised in the event of spillage of hazardous materials	Low	3	
								6.11	Relevant construction personnel will be trained in use of spill kits and disposal practices			
								6.10	Spill response equipment (absorbents etc.) will be available in hazardous materials storage areas			
			Air emissions from camps and facilities	10.12.3	Med.	6		23.05	Dust generation and concentrations in the air will be visually monitored during construction where activities are near communities. If dust is visible, additional mitigation measures, such as the imposition of tighter speed limits, will be implemented with the aim of avoiding causing disturbance on residents or land users	Low	3	
			Incremental addition of road dust	10.12.3	Med.	6		23.06	Vehicles carrying fine materials will be sheeted to help prevent dust blow and spillages	Med	3	
			If chemicals are added to hydrostatic test water this could have health impacts	10.12.3	Med.	6		10.08	A risk assessment will be undertaken before any chemical additives are used in hydrotest water	Low	3	
			Outbreaks of infection in camps, which could be transferred to PACs	10.12.3	Med.	6		31.05	A risk assessment will be undertaken when considering waste water discharge options and locations	Med	3	
								7.04	Waste management practices will be subject to regular monitoring and auditing			
								31.06	Medical waste will be disposed of via a medical contractor or a Company approved incinerator			
								31.10	A non-communicable disease (NCD) awareness programme will be implemented			
			Non-communicable diseases in local construction workers	10.12.3	Med.	7		31.11	Pre-job fitness for task assessments will be implemented and will be repeated at regular intervals based on the employee risk profile	Low	5	
								31.12	Project will prohibit the workforce from participating in illegal activities including use of illegal drugs			
			Increase in drug and alcohol abuse in the PACs due to increased income	10.12.3	Med.	7		31.13	Worker education and awareness programmes will be conducted and materials regarding the health hazards of smoking, alcohol and substance abuse will be provided	Med	7	
			Improved health of population employed or dependent on people employed by the Project as a result of disease awareness and reduction programmes etc.	10.12.3	Beneficial			31.14	A worker education and awareness programme regarding the risks and prevention measures associated with STIs including HIV/AIDS and other communicable diseases (e.g. TB) will be implemented	Beneficial	4	
			Increase in prevalence of STIs in camp and PACs	10.12.3	Med.	6		31.15	The project will make information on communicable diseases and STIs available to communities close to the camps	Med.	3	
								31.16	Temporary Project housing structures will be constructed and maintained according to internationally accepted design specifications for space occupancy per person			
			TB outbreaks within the camp and PACs	10.12.3	Med.-Low	5		31.17	The Contractor will operate a personnel health programme which will aim to prevent illness and disease occurring, and will include immunisations as required	Low	3	
								31.18	A workplace Tuberculosis control programme will be implemented			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

Ref	Description	Topic	Impact	ESIA Ref	Significance	Probability		Ref	Commitments Relating to the Issues	Significance	Probability	
			Transmission of food related illnesses from Project to community and vice versa Risk of zoonotic diseases to Project and community Risk of vector related diseases to Project staff	10.12.3	Low	6		31.19	A food sanitation programme will be developed and implemented within all Project catering facilities based on internationally recognised standards	Low	4	
								19.08	Construction contractors will be required to manage the storage and disposal of food and organic wastes to avoid attracting vermin			
								31.20	Food-borne illness investigation procedure will be implemented and workers will be educated regarding the prevention of food related illnesses (e.g. hygiene practices)			
								31.21	Food service operations, practices and facilities will be regularly inspected and findings and resolved non-compliance issues will be documented immediately			
								31.22	Measures for preventing zoonotic disease transmission will be implemented			
								6.22	The Company will carry out a due diligence exercise to identify and manage the risk of anthrax.			
								31.23	A vector-related disease (VRD) prevention programme will be implemented			

Impact and Probability Assessment for Unplanned Events - Chapter 12													
Ref	Description	Topic	Impact	ESIA Ref	Significance	Probability		Ref	Commitments Relating to the Issues	Significance	Probability		
Event: Gas release from pipeline with explosion													
A30	Community safety		Exposure to thermal radiation	12.4	Very High	5		4.14	In the case of an unplanned event, any damage will be reinstated and compensated where appropriate	3		Medium	
A4	Loss of soil structure		Crater formation	12.4	C3 Medium			D30.01	Where it is considered that there is a higher risk of the pipeline being damaged or interfered with, or where other services are crossed and at track and road crossings, the pipeline will be covered by concrete slabs at open cut crossings			Low	
A8	Visual intrusion		Visible fireball	12.4	B2 Low			D11.02	There will be increased depth of cover at crossings: road crossings will generally be installed with 2.0m cover; rail crossings have at least 3.0m cover and unpaved roads will have at least 1.5m cover			Low	
A3	Soil erosion		Ground cover removed where earth is scorched	12.4	B3 Low			D11.03	Concrete slabs will be installed at open-cut road crossings to protect SCPX from future road construction activities and excavations along roads or the verges			Low	
A17	Loss of habitat		Fire damage to vegetation	12.4	A2 Low			D11.04	A general minimum separation distance of 20m is applied between SCPX and SCP/BTC. At crossings, additional control of work measures will be applied			Low	
A32	Loss of agricultural land		Damage to crops	12.4	B3 Low			D11.05	At the block valve sites the separation distance between 56" SCPX pipeline and the 42" SCP pipeline and the SCPX block valves and the BTC/SCP block valves will be no less than 28m			Low	
A35	Damage to third party infrastructure		Damage to buildings	12.4	B2 Low			D5.011	Construction of crossings of the existing BTC and SCP pipelines will be controlled under the existing pipeline operations permit to work system and the activity will be subject to a specific risk assessment undertaken by both the construction contractor and BTC and SCP operations team			Low	
A25	Noise		Noise disturbance from major incident	12.4	C5 High			D12.02	In specific areas, for example close to communities, heavier wall pipe will be used to reduce the risk of pipeline failure in accordance with international standard (ASME B31.8)			Medium	
A31	Community health		Anxiety caused to residents in surrounding communities	12.4	Low			D12.03	A leak detection system is provided on the pipeline. Following detection of a leak, the block valves on either side of the leak will be remotely closed so that the volume of release will be limited by the distance between the two block valves			Low	
A23	Release of gases to atmosphere		Greenhouse gas emission	12.4	C4 Medium			D5.001	The SCPX pipeline will be protected from corrosion by an impressed current cathodic protection system			Low	
								D5.010	Where the SCPX pipeline crosses buried services or pipelines, trenchless or open cut crossing methods will be adopted. A typical vertical separation between the SCPX pipeline and the existing service or pipeline will be 1500mm where trenchless techniques are used, and 900mm where open cut techniques are used.				
								D5.034	An increased wall thickness with a design factor of 0.6 will be applied at major road, railway and river crossings to meet the requirements of API RP 1102				
								OP121	When the 56"-diameter pipeline is operating, regular patrols of the pipeline by ROW horse patrols, vehicular patrols (using existing access tracks) and security patrols will lessen the risk of third-party interference				
								OP123	The pipeline and facilities will be regularly inspected and maintained				
								OP124	The pipeline and facilities will be operated within the intended design conditions				
								OP125	The relevant authorities will be informed in the case of planned or actual third-party development within the relevant pipeline and facility protection zones				
								OP128	The existing SCP pipeline has a Government-approved emergency response plan (ERP), which will be updated to integrate the SCPX pipeline and the new facilities before they become operational				

Impact and Probability Assessment for Unplanned Events - Chapter 12														
Ref	Description	Topic	Impact	ESIA Ref	Significance	Probability			Ref	Commitments Relating to the Issues	Significance	Probability		
									OP129	In accordance with Appendix 4 Clause 3.9(ii)(a) of the HGA, the revised ERP will be submitted to Government SCP Representative upon its completion				
									OP130	All personnel are required to understand their roles and responsibilities described in the ERP and undertake training and instruction necessary such that they are competent to carry out their roles and responsibilities. Regular drills, musters and training are detailed in the annual emergency response exercise programme that will be updated to include SCPX-specific training and emergency drills				
									OP131	ROW patrols will monitor river crossing to provide assurance of the integrity of any river protection works and river banks. This will include a visual inspection for river bank erosion or changes to channel morphology				
									OP132	In-line inspection pigging operations will be carried out on a regular basis to provide information on the line integrity				
									OP133	The project will maintain liaison with all land owners along the pipeline route, and with authorities and utilities companies to track proposals for third party buildings activities that could affect the pipeline				
									OP136	Monitoring of areas of geotechnical instability and erosion potential will be continued during operations				
									OP140	Local residents will be advised of activities that could threaten the integrity of the pipeline, such as the extraction of aggregate				
									OP142	The watercourses on the SCPX pipeline will be incorporated into the existing programme of inspection and maintenance of the watercourse crossings in respect of erosion control				
									OP143	An expert assessment of burial depths, set back measurements and pipeline protection works will be carried out at major river crossings annually (depending on the river characteristics and crossing technique) and after flood events exceeding a 1:100-year return period				

Appendix B3 Site Specific Impact Assessment and Mitigation Tables



Appendix B3: Site Specific Impact Assessment & Mitigation Table

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP0	Pigging station	Infrastructure and Services	Improvement of existing access tracks and construction of new access road to the pigging station	Improvement of access for existing users	10.15.3	-	-	Beneficial	X5.13	The new access road to the pigging station will follow existing tracks where possible	-	-	Beneficial
		Land Ownership and Land Use	Land acquisition of dry pasture land - potential disruption of herd movements	Potential disruption to grazing and movement of herds	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 32.01, 32.17, 33.19, 34.01	B	1	Low
KP0 - KP3.2	ROW passes through Salsolietum nodulosae desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	2	Medium	X7.25a	Due consideration will be given to the preservation of the topsoil structure and seedbank in identified	D	1	Low
									X7.25b	If long-term monitoring of vegetation in identified habitats shows slow recovery, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			
KP0 - KP35	Potential location of <i>Iris acutiloba</i> on ROW	Ecology	Topsoil stripping	Loss of a small percentage of the local population of <i>Iris acutiloba</i>	10.7.3	C	3	Medium	X7.32	A preconstruction survey (in April or May depending on seasonality) will be carried out by the Company and will seek to identify the presence of <i>Iris acutiloba</i> on the ROW or working areas between KP0 - KP35 and a site specific ecological management plan will be developed. This will be completed when the plants are visible i.e. during or after the flowering season between April and May	C	1	Low
									GENERIC	See Generic Commitment(s): 19.10			
KP0 - KP263	Thin topsoil layer	Soil and Ground Conditions	Topsoil stripping, handling, storage and re-instatement	Risk of loss of topsoil leading to slow and/or impaired revegetation post construction	10.3.3	B	4	Medium	X3.02	In sensitive areas of thin topsoil (as defined by the Company) additional precautions will be taken with the aim of preserving the topsoil for subsequent replacement where deemed feasible by the Company	B	3	Low
									GENERIC	See Generic Commitment(s): 4.15			
KP5 - KP14	ROW passes through Ephemeretum desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	2	Medium	X7.25a	Due consideration will be given to the preservation of the topsoil structure and seedbank in identified	D	1	Low
									X7.25b	If long-term monitoring of vegetation in identified habitats shows slow recovery, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP5 - KP24	ROW passes through desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Potential for cumulative habitat loss, fragmentation and degradation in combination with slow recovery on BTC ROW	10.7.3	D	2	Medium	X7.25a	Due consideration will be given to the preservation of the topsoil structure and seedbank in identified	D	1	Low
									X7.25b	If long-term monitoring of vegetation in identified habitats shows slow recovery, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			
KP7	SCPX ROW	Soil and Ground Conditions	Asbestos cement contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP8	SCPX ROW	Soil and Ground Conditions	Hydrocarbon contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	X5.12	Further investigation will be undertaken of the hydrocarbon contamination at KP8 to determine the extent of hydrocarbon contamination	B	-	Beneficial
KP20	Transhumant settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	A	1	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	A	1	L
KP21	BVR A6	Land Ownership and Land Use	Livestock pens also used as temporary accommodation are located within the pipeline corridor and safety zone	Physical displacement of dwelling(s); movement of livestock pen(s)	10.13.3	D	4	High	X13.08	Project procedures will be applied to the affected household to aim to ensure fair and transparent relocation is applied	D	3	Medium
									X13.09	The ROW will be designed to minimise impacts. A detailed survey will be undertaken to determine the location of the Azeri gas pipeline in this area and therefore whether the SCPX pipeline can be re-routed to avoid the house and associated farm buildings			
									D8.04	The livestock pens and temporary accommodation will be relocated a minimum distance of 200m from the boundary of BVR A06			
									GENERIC	See Generic Commitment(s): 32.01, 33.13, 33.19, 16.01, 17.14, 32.04, 32.05, 32.07, 32.17, 34.01, 35.05, 35.06, 35.07, 35.08, 36.03, 39.04			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Air Quality and GHG Emissions	Dust generation, particularly from vehicle movements	Disturbance and reduced air quality for resident(s) and at the livestock pens	10.8.3	D	4	High	D8.04	The livestock pens and temporary accommodation will be relocated a minimum distance of 200m from the boundary of BVR A06	B	1	Low
									X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary			
									GENERIC	See Generic Commitment(s): 23.05, 23.06 and 24.01			
		Noise	Noise from construction activities	Disturbance, lack of sleep for temporary resident(s) at the livestock pens	10.9.3	C	2	Low	D8.04	The livestock pens and temporary accommodation will be relocated a minimum distance of 200m from the boundary of BVR A06	C	2	Low
									X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors			
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.04, 25.05, 25.09			
		Landscape and visual impact	Views from livestock pens, approximately 50m from the site, which are lived in for some months of the year	Landscape and visual impact	10.4.3	D	3	Medium	D8.04	The livestock pens and temporary accommodation will be relocated a minimum distance of 200m from the boundary of BVR A06	D	1	Low
KP22	Transhumant settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	A	1	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	A	1	L
KP32	Reed bed	Ecology	Open-cut crossing of reedbed and temporary drainage of area for pipeline crossing	Habitat loss, fragmentation and degradation of reed bed	10.7.3	C	4	Medium	GENERIC	See Generic Commitment(s): X6.01, X7.28a.b, 2.01, 3.30, 14.03, 17.10, 17.11, 19.10, 19.11a.e, 19.13a.b	C	1	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP59	Shusha Internally Displaced Persons village	Employment	Pipeline construction	Unmet employment expectations and/or resentment between local people who are employed by the project and those whose applications were unsuccessful	10.14.3	E	5	High	GENERICs	See Generic Commitment(s): 28.02, 28.03, 28.04, 28.05, 28.06, 28.07, 28.08, 28.22	E	2	Medium
		Vibration	Pipeline construction	Potential risk of damage to buildings as these made from reeds	10.9.3	E	3	Medium	GENERICs	See Generic Commitment(s): 25.13, 25.14	E	1	Low
KP62.2	House and shed	Air Quality and GHG Emissions	Pipeline construction close to house approximately 20m from the pipeline ROW	Disturbance and reduced air quality for resident(s)	10.8.3	D	4	High	GENERICs	See Design Commitment(s): D8.04 and Generic Commitment(s): 23.05, 23.06 and 24.01	D	3	Medium
									X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary			
		Noise	Pipeline construction close to houses approximately 20m from the pipeline	Disturbance, lack of sleep for villagers and shift workers	10.9.3	C	2	Low	X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172	C	2	Low
									GENERICs	See Generic Commitment(s): 25.04, 25.05, 25.09			
		Vibration	Pipeline construction close to house located approximately 20m from the pipeline	Potential risk of damage to houses	10.9.3	D	2	Medium	GENERICs	See Generic Commitment(s): 25.13, 25.14	D	1	Low
KP85 - KP96	ROW passes through desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Potential for cumulative habitat loss, fragmentation and degradation in combination with slow recovery on BTC ROW	10.7.3	D	2	Medium	X7.25a	Due consideration will be given to the preservation of the topsoil structure and seedbank in identified	D	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X7.25b	If long-term monitoring of vegetation in identified habitats shows slow recovery, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			
KP95	Block valves	Land Ownership and Land Use	Land acquisition of private land approximately 25x25m	Potential impact to landowners from loss of land and any related loss of livelihood	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 16.01,17.14, 32.01, 32.04, 32.05, 32.07, 32.17, 33.19, 34.01, 35.05, 35.06, 35.07, 35.08, 36.03, 39.04	B	1	Low
KP96 - KP102	Irrigation/drainage canals	Land Ownership and Land Use	Open cut crossings of irrigation/drainage canals in this area	Temporary loss of water supply/temporary impact on flow impacting on agricultural users of the water	10.13.3	C	3	Medium	GENERIC	See Generic Commitment(s): 35.05, 35.06, 35.07, 35.08, 36.03	C	1	Low
KP98	SCPX ROW	Soil and Ground Conditions	Asbestos cement contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP102	SCPX ROW	Soil and Ground Conditions	Hydrocarbon and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP104 - KP108	Chiny Village	Noise	Pipeline construction close to houses approximately 80m from the pipeline	Disturbance, lack of sleep for villagers and shift workers	10.9.3	C	2	Low	X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172	C	2	Low
									GENERIC	See Generic Commitment(s): 25.04, 25.05, 25.09			
		Dust	Pipeline construction close to houses approximately 80m from the pipeline	Disturbance to residents; reduced air quality	10.8.3	D-E	4	High	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	D-E	3	Medium

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01			
KP104	SCPX ROW	Soil and Ground Conditions	Municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP115	Geokchay River Crossing	Ecology	Clearance of temporary working area at non-open-cut river crossings	Habitat loss, fragmentation affecting use of the river as a movement corridor and degradation	10.7.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.08, 17.14, 19.11a.e, D5.045, 17.05, 17.07, 17.10, 17.11	B	1	Low
									X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species			
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
KP116 - KP120	Garaberk village	Noise	Pipeline construction close to houses located approximately 20, 40, 50 and 60m from the pipeline	Disturbance, lack of sleep for villagers and shift workers	10.9.3	C	2	Low	X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172	C	2	Low
									GENERIC	See Generic Commitment(s): 25.04, 25.05, 25.09			
		Vibration	Pipeline construction close to houses located approximately 20, 40, 50 and 60m from the pipeline	Potential risk of damage to houses	10.9.3	D	2	Medium	GENERIC	See Generic Commitment(s): 25.13, 25.14	D	1	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Land Ownership and Land Use	Pipeline construction	ROW intersects 10-15 gardens	10.13.3	D	4	High	X13.06	Where practicable the RoW width will be designed to minimise impact to houses	D	2	Medium
									GENERICs	See Generic Commitment(s): 2.02, 4.09, 33.13, 33.19, OP25, OP133			
		Landscape and visual impact	Pipeline construction and ROW clearing - route is close to houses and passes through 10-15 gardens	Removal of trees; visual impact of SCPX construction works	10.4.3	D	4	High	X13.06	Where practicable the RoW width will be designed to minimise impact to houses	D	2	Medium
									GENERICs	See Generic Commitment(s): 17.08			
		Ecology	Removal of trees	Disturbance or mortality of bats; loss of roosting habitat	10.7.3	D	2	Medium	X7.34	A pre-construction survey will be carried out and if bats are found to be roosting in any structures or trees that will be removed, a mitigation strategy will be designed to try to ensure that bats are protected	D	1	Low
									GENERICs	See Generic Commitment(s): 17.08			
		Dust	Pipeline construction close to houses located approximately 20, 40, 50 and 60m from the pipeline	Disturbance to residents; reduced air quality	10.8.3	D-E	4	High	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	D-E	3	Medium
KP121 - KP125	Alpout village								GENERICs	See Generic Commitment(s): 23.05, 23.06, 24.01			
		Noise	Pipeline construction close to houses located approximately 60 and 85m from the pipeline	Disturbance, lack of sleep for villagers and shift workers	10.9.3	C	2	Low	X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172	C	2	Low
									GENERICs	See Generic Commitment(s): 25.04, 25.05, 25.09			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Vibration	Pipeline construction close to houses located approximately 60 and 85m from the pipeline	Potential risk of damage to houses	10.9.3	D	2	Medium	GENERIC	See Generic Commitment(s): 25.13, 25.14	D	1	Low
		Dust	Pipeline construction close to houses located approximately 60 and 85m from the pipeline	Disturbance to residents; reduced air quality	10.8.3	D-E	4	High	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	D-E	3	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01			
		Land Ownership and Land Use	Pipeline construction	Loss of livelihood (orchards) - ROW intersects approximately 6-8 gardens and will require the removal of some fruit trees	10.13.3	D	3	Medium	X13.07	The distance between the existing pipeline(s) and SCPX will be designed to reduce the number of trees that need to be removed	D	2	Medium
									GENERIC	See Generic Commitment(s): 2.02, 4.09, 33.13, 33.19, OP25, OP133			
		Landscape and visual impact	Pipeline construction and ROW clearing - route is close to houses and passes through 6-8 gardens	Removal of trees; visual impact of SCPX construction works	10.4.3	D	4	High	X13.07	The distance between the existing pipeline(s) and SCPX will be designed to reduce the number of trees that need to be removed	D	2	Medium
									GENERIC	See Generic Commitment(s): 17.08			
		Ecology	Removal of trees	Disturbance or mortality of bats; loss of roosting habitat	10.7.3	D	2	Medium	X7.34	A pre-construction survey will be carried out and if bats are found to be roosting in any structures or trees that will be removed, a mitigation strategy will be designed to try to ensure that bats are protected	D	1	Low
									GENERIC	See Generic Commitment(s): 17.08			
KP131	Pottery Findspot	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	A	—	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	A	1	L

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP137	Turianchay HDD River Crossing	Ecology	Clearance of temporary working area at non-open-cut river crossings	Habitat loss, fragmentation affecting use of the river as a movement corridor and degradation	10.7.3	C	2	Low	GENERIC	See Generic Commitment(s): 17.08, 17.14, 19.11a.e, D5.045, 17.05, 17.07, 17.10, 17.11	C	1	Low
									X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species			
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
KP138 - KP158.1	ROW passes through desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Potential for cumulative habitat loss, fragmentation and degradation in combination with slow recovery on BTC ROW	10.7.3	D	2	Medium	X7.25a	Due consideration will be given to the preservation of the topsoil structure and seedbank in identified	D	1	Low
									X7.25b	If long-term monitoring of vegetation in identified habitats shows slow recovery, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			
KP139	Pottery Findspot	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	A	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	A	1	L
KP139 - KP146	Irrigation/drainage canals	Land Ownership and Land Use	Open cut crossings of irrigation/drainage canals in this area	Temporary loss of water supply/temporary impact on flow impacting on agricultural users of the water	10.13.3	C	3	Medium	GENERIC	See Generic Commitment(s): 35.05, 35.06, 35.07, 35.08, 36.03	C	1	Low
KP140	SCPX ROW	Soil and Ground Conditions	Municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP144	Pottery Findspot	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	A	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	A	1	L
KP148	Antique period cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	B	3 (4)	L (M)	GENERIC	See Generic Commitment(s): 27.05, 27.06	B	–	L
KP149	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP150	SCPX ROW	Soil and Ground Conditions	Municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP151	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP160	Antique period cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	–	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	–	–	L
KP164	Antique period cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	C	–	L
KP167	Kura East River Crossing	Ecology	Clearance of temporary working area at non-open-cut river crossings	Habitat loss, fragmentation affecting use of the river as a movement corridor and degradation	10.7.3	C	2	Low	GENERIC	See Generic Commitment(s): 17.08, 17.14, 19.11a.e, D5.045, 17.05, 17.07, 17.10, 17.11	C	1	Low
									X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
KP168 - KP172	Potential UXO area	Soil and Ground Conditions	Pipeline construction	Potential disturbance of unexploded ordnance	10.3.3	E	5	High	GENERIC	See Generic Commitment(s): 39.01, 40.01, 40.02	E	1	Low
KP172	Block valves	Land Ownership and Land Use	Land acquisition of private land approximately 25x25m	Potential impact to landowners from loss of land and any related loss of livelihood	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 7.10, 16.01, 17.14, 32.01, 32.04, 32.05, 32.07, 32.17, 33.19, 34.01, 35.05, 35.06, 35.07, 35.08, 36.03, 39.04	B	1	Low
		Noise	Construction activities	Noise disturbance as nearest houses are less than 400m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.04, 25.05, 25.09			
KP178	Iron Age cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	–	L	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	C	–	L
KP179	Iron Age cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	–	L	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	C	–	L
KP180	Pottery spread	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	–	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	–	–	L
KP182	Antique period cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	–	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	–	–	L
KP186	Antique period cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	B	2 (3)	L (L)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.04, 27.05, 27.06	B	1 (2)	L (L)

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP187	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP169 - KP390	West of Yevlakh section of the ROW	Groundwater	Pipeline construction	Groundwater is close to surface abstracted for potable and agricultural use, with consequent risk of potential contamination by spills during construction	10.6.3	D	4	High	X6.01	A site specific risk assessment of the potential for impacts on groundwater will be undertaken if it is proposed to have static hazardous waste, chemical or fuel tanks between KP32, KP169 - KP390 (which includes the Karayazi aquifer from KP358 - KP390), or at the Saloghlu Rail Spur and Offloading Area, Saloghlu Pipe Storage Area and Saloghlu Camp during construction. This will be used to develop any additional mitigation measures required.	D	1	Low
									GENERIC	See Generic Commitments relating to Issues A7, A14, A15, A16 & A39 on Table B.2			
KP189	Karabakh canal	Surface water	Crossing of canal used to supply drinking water	Disruption of flow impacting on use of watercourse which supplies drinking water	10.5.3	C	4	Medium	X5.15	Non-open-cut crossing will be implemented at the Karabakh Canal with the intention of avoiding any impact on flow	C	1	Low
	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP198	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP199	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP202	Pottery spread	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	A	1 (1)	L (L)	GENERIC	See Generic Commitment(s): 27.05, 27.06	A	-	L (L)
KP202	Goranchay River Crossing	Surface water	Open-cut crossing of river prone to erosion	Increased bank erosion. Possible threat to pipe integrity	10.5.3	C	4	Medium	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
										protection works to protect the integrity of the pipe			
KP205 - KP220	ROW near the Korchay State Nature Reserve	Ecology	Pipeline construction	Potential barrier to movement or migration of this species to and from the Korchay State Nature Reserve	10.7.3	D	2	Medium	X7.37	A preconstruction survey between November and February inclusive will be undertaken at KP205-250 to identify any need for site-specific mitigation measures to reduce potential impact to gazelle during winter migration.	C	1	Low
									GENERIC	See Generic Commitment(s): 20.01, 21.01, 21.02, 21.04, 32.08, 32.09			
KP215	SCPX ROW	Soil and Ground Conditions	Asbestos cement and asbestos insulating board	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP216	Bones encountered	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	-	-	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	-	-	L
KP221	Kurekchay River Crossing	Surface water	Open cut watercourse crossing of high energy river; gravel extraction in river by third parties	Increased bank erosion; threat to integrity of pipeline. Possible impact of extraction on channel/flow dynamics at crossing point - potential impacts on bank erosion and pipe integrity	10.5.3	C	4	Medium	X5.16	Existing liaison with gravel extraction companies will continue with the aim of ameliorating effects of the extraction works on the SCPX and existing BTC, SCP and WREP crossings at the Kurekchay, Shamkirchay, Zeyamchay and Tovuzchay	C	2	Low
									X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			
			River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium
KP228	Bones encountered	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	–	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	–	–	L
KP231	SCPX ROW	Soil and Ground Conditions	Municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP234	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	3 (4)	M (M)	GENERIC	See Generic Commitment(s): 27.01, 27.04, 27.05, 27.06	C	1 (3)	L (M)
KP236	SCPX ROW	Soil and Ground Conditions	Asbestos cement contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP237	Korchay River Crossing	Ecology	River crossing	Habitat loss, fragmentation and degradation of reed bed	10.7.3	D	2	Medium	X7.29	At the Korchay, the existing reed bed will be reinstated and the watercourse will be reinstated rather than flumed permanently. A permanent access route across the watercourse will not be installed	D	1	Low
KP239	Burial of unknown date	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	–	–	L	GENERICs	See Generic Commitment(s): 27.05, 27.06	–	–	L
KP240	Ganjachay River Crossing	Surface water	River crossing in alluvial silty clays prone to erosion	Increased bank erosion; threat to integrity of pipeline	10.5.3	C	4	Medium	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe	C	2	Low
		Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			
			River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP243	SCPX ROW	Soil and Ground Conditions	Asbestos cement contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
	BVR	Land Ownership and Land Use	Land acquisition of private land approximately 25x25m	Potential impact to landowners from loss of land and any related loss of livelihood	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 7.10, 16.01, 17.14, 32.01, 32.04, 32.05, 32.07, 32.17, 33.19, 34.01, 35.05, 35.06, 35.07, 35.08, 36.03, 39.04	B	1	Low
KP243	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	B	2 (3)	L (L)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	B	1 (1)	L (L)
KP246	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP247	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	B	2 (3)	L (L)	GENERIC	See Generic Commitment(s): 27.01, 27.04, 27.05, 27.06	B	1 (2)	L (L)
KP247	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	2 (3)	L (M)	GENERIC	See Generic Commitment(s): 27.01, 27.04, 27.05, 27.06	C	1 (2)	L (L)
KP254 - KP256	Samukh area	Ecology	Site clearance on ROW	Habitat loss, fragmentation and degradation leading to potential loss of RDB species, if present	10.7.3	D	3	Medium	X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species	D	1	Low
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
KP260 - KP264	SCPX ROW	Soil and Ground Conditions	Thin, highly erodible soils	Increased erosion and gulleying	10.3.3	D	4	High	GENERIC	See Generic Commitment(s) relating to Issues A2, A3 & A4 and commitments: 2.07, 3.03, 3.05, 3.06, 3.09, 3.11, 3.15	D	3	Medium
									X3.02	In sensitive areas of thin topsoil (as defined by the Company) additional precautions will be taken with the aim of preserving the topsoil for subsequent replacement where deemed feasible by the Company			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP261	Sarisu crossing	Surface water	Open cut crossing of small watercourse located in highly erodible soils	Impact on water quality during construction; increased bank erosion; threat to integrity of pipeline	10.5.3	C	5	High	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe	C	2	Low
KP262	Bronze Age Settlement, nineteenth century cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	2 (4)	M (H)	GENERIC	See Generic Commitment(s): 27.01, 27.04, 27.05, 27.06	D	2 (3)	M (M)
KP261	Goshgarachay River Crossing	Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			
			River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium
		Surface Water	Open cut watercourse crossing of watercourse prone to soil erosion/bank instability	Increased bank erosion; threat to integrity of pipeline	10.5.3	C	4	Medium	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the pipe integrity	C	2	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP264	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	2 (3)	L (M)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	C	1 (1)	L (L)
KP266	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	B	2 (3)	L (L)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	B	1 (2)	L (L)
KP269	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	B	2 (3)	L (L)	GENERIC	See Generic Commitment(s): 27.05, 27.06	B	1 (2)	L (L)
KP271	SCPX ROW	Soil and Ground Conditions	Asbestos cement contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP276	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP277	Shamkirchay River Crossing	Surface water	Open cut watercourse crossing of river located in highly erodible soils. Gravel extraction upstream by third parties	Increased bank erosion; threat to integrity of pipeline. Possible impact of extraction on channel/flow dynamics at crossing point - potential impacts on bank erosion and pipe integrity	10.5.3	C	5	High	X5.16	Existing liaison with gravel extraction companies will continue with the aim of ameliorating effects of the extraction works on the SCPX and existing BTC, SCP and WREP crossings at the Kurekchay, Shamkirchay, Zeyamchay and Tovuzchay	C	2	Low
									X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Ecology	River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium
KP278	Nineteenth Century structures	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	B	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	B	–	L
KP281	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP287 - KP289	Dallyar Dashbulak village	Noise	Pipeline construction close to one house located approximately 20m from the pipeline	Disturbance, lack of sleep for shift workers	10.9.3	C	2	Low	X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172	C	2	Low
									GENERIC	See Generic Commitment(s): 25.04, 25.05, 25.09			
		Vibration	Pipeline construction close to one house located approximately 20m from the pipeline	Potential risk of damage to house	10.9.3	D	2	Medium	GENERIC	See Generic Commitment(s): 25.13, 25.14	D	1	Low
		Land Ownership and Land Use	Pipeline construction passes through one house and livestock pens	Physical displacement of house; movement of livestock pen(s)	10.13.3	D	4	High	GENERIC	See Generic Commitment(s): 32.01, 33.13, 33.19	D	3	Medium
									X13.08	Project procedures will be applied to the affected household to aim to ensure fair and transparent relocation is applied			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X13.09	The ROW will be designed to minimise impacts. A detailed survey will be undertaken to determine the location of the Azeri gas pipeline in this area and therefore whether the SCPX pipeline can be re-routed to avoid the house and associated farm buildings			
		Ecology	Pipeline construction passes through one house, livestock pens and a belt of trees where bat roosts may be present	Potential disturbance or damage of bat roosts, if present	10.7.3	D	2	Medium	X7.34	A pre-construction survey will be carried out and if bats are found to be roosting in any structures or trees that will be removed, a mitigation strategy will be designed to try to ensure that bats are protected	D	1	Low
									17.08	Compensation planting will be based on the number of trees to be removed. A re-planting ratio will be developed which will be species and region specific			
		Cultural Heritage	Pipeline construction	Restricted access to cemetery at KP 288	10.10.3	C	4	Medium	X10.14	If normal access to the cemetery in Dallyar Dashbulak village would be impacted by Project activities, an alternative footpath for local residents will be provided. The ROW will also be designed so that the shelter outside the cemetery is avoided	C	1	Low
		Landscape and visual impact	Pipeline construction close to house and through tree belt	Permanent loss of trees; visual impact of SCPX construction works	10.4.3	D	3	Medium	8.05	The necessary permit from the MENR will be applied for to cut down any Forest fund trees on the ROW or temporary working areas. The location of the Forest fund areas will be confirmed by MENR consultation	D	2	Medium
									X13.09	The ROW will be designed to minimise impacts. A detailed survey will be undertaken to determine the location of the Azeri gas pipeline in this area and therefore whether the SCPX pipeline can be re-routed to avoid the house and associated farm buildings			
									GENERIC	See Generic Commitment(s): 8.05, 17.08			
		Dust	Pipeline construction	Disturbance to residents, users of the cemetery	10.8.3	D-E	4	High	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	D-E	3	Medium
KP288	Medieval Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	2 (3)	L (M)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.04, 27.05, 27.06	C	1 (2)	L (L)

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									GENERIC	See Generic Commitment(s): 27.01, 27.04, 27.05, 27.07			
KP289	Jairchay	Surface water	Open cut watercourse crossing of watercourse prone to soil erosion/bank instability	Increased bank erosion; threat to integrity of pipeline	10.5.3	C	4	Medium	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe	C	2	Low
KP300	SCPX ROW	Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP301	Catacomb site	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	3	M	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	C	—	L
KP303	Bronze Age Cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	2 (3)	L (M)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	D	1 (2)	L (M)
KP303	Zeyamchay River Crossing	Surface water	Open cut watercourse crossing of high energy river; Gravel extraction upstream by third parties	Increased bank erosion; threat to integrity of pipeline. Possible impact of extraction on channel/flow dynamics at crossing point - potential impacts on bank erosion and pipe integrity	10.5.3	C	4	Medium	X5.16	Existing liaison with gravel extraction companies will continue with the aim of ameliorating effects of the extraction works on the SCPX and existing BTC, SCP and WREP crossings at the Kurekchay, Shamkirchay, Zeyamchay and Tovuzchay	C	2	Low
									X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe			
		Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			
		Ecology	River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium
KP304	Human remains visible 2002	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	—	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	C	—	L
KP304	Chalcolithic settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	2 (3)	M (M)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	D	1 (2)	L (M)
KP307	Chalcolithic settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	2 (3)	M (M)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	D	1 (2)	L (M)
KP321 - KP327	Narrow erodible ridges with thin topsoil before and after the crossing of the Asrikchay and Tovuzchay	Soil and Ground Conditions	Topsoil removal	Thin topsoil in this section is at risk of loss during construction leading to poor reinstatement	10.3.3	D	4	High	GENERIC	See Generic Commitment(s) relating to Issues A2, A3 & A4 and commitments: 2.07, 3.03, 3.05, 3.06, 3.09, 3.11, 3.15	D	3	Medium
		Soil and Ground Conditions	Topsoil removal	Thin topsoil in this section is at risk of loss during construction leading to poor reinstatement	10.3.3				X3.02	In sensitive areas of thin topsoil (as defined by the Company) additional precautions will be taken with the aim of preserving the topsoil for subsequent replacement where deemed feasible by the Company			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Landscape and visual impact	The ROW will be benched (levelled) to create a safe working area for plant and machinery and the ridge will not be fully reinstated to pre-construction contours to reduce erosion	The visual appearance and character of the landscape will be altered permanently	10.4.3	C	4	Medium	X4.10	Following pipeline installation at KP321 - KP324 and KP344 - KP347, an assessment will be conducted and used to design the final landform. The aim will be to create a natural looking landform in keeping with the landscape character of the broader area , as far as practical, having due regard to the over-riding need to assure the integrity of the pipeline during operation	C	3	Medium
		Surface water	Vegetation and soil removal during construction	Increased erosion leading to sediment run-off and pollution of the watercourse	10.5.3	C	3	Medium	X5.10	The Project will undertake increased monitoring for signs of erosion during the two year post construction warranty period at KP321 - KP324 and KP344 - KP345	C	2	Low
KP323	Asrikchay River Crossing	Surface water	Open-cut crossing of river that is located in highly erodible soils	Impact on water quality during construction; increased bank erosion; threat to integrity of pipeline	10.5.3	C	5	High	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe	C	2	Low
		Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Ecology	River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium
KP323 - KP322	ROW passes through Artemisetum botriochloasum semi-desert and Caraganetum--Paliurosom spina-christi arid scrub dependent on a thin topsoil layer in area of narrow erodible ridges before and after the crossing of the Asrikchay and Tovuzchay, including Artemisetum steppe with arid forest in stream bed between KP322.6 to KP322.9	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	3	Medium	X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species	D	1	Low
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
									X7.33a	Between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, seed will be collected from similar habitats where and to the extent feasible in the local area and re-sown onto the ROW during reinstatement			
									X7.33b	If long-term monitoring shows slow recovery of the ROW between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP324	Tovuzchay River Crossing	Surface water	Open cut watercourse crossing of high energy river; gravel extraction by third parties	Increased bank erosion; threat to integrity of pipeline. Possible impact of extraction on channel/flow dynamics at crossing point - potential impacts on bank erosion and pipe integrity	10.5.3	C	4	Medium	X5.16	Existing liaison with gravel extraction companies will continue with the aim of ameliorating effects of the extraction works on the SCPX and existing BTC, SCP and WREP crossings at the Kurekchay, Shamkirchay, Zeyamchay and Tovuzchay	C	2	Low
		Surface water			10.5.3				X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe			
		Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			
		Ecology	River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP325	Bronze Age Cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	3 (5)	M (H)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	D	–	L
KP326	Bronze Age Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	–	L	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	C	–	L
KP334	Block valves	Land Ownership and Land Use	Land acquisition of private land approximately 25x25m	Potential impact to landowners from loss of land and any related loss of livelihood	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 7.10, 16.01, 17.14, 32.01, 32.04, 32.05, 32.07, 32.17, 33.19, 34.01, 35.05, 35.06, 35.07, 35.08, 36.03, 39.04	B	1	Low
KP335.4 - KP336.4	ROW passes through Artemisetum lerchiana purum semi-desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	2	Medium	X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species	D	1	Low
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
									X7.33a	Between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, seed will be collected from similar habitats where and to the extent feasible in the local area and re-sown onto the ROW during reinstatement			
									X7.33b	If long-term monitoring shows slow recovery of the ROW between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, remedial action will be considered			
KP342 - KP346	ROW passes through Artemisetum lerchiana purum semi-desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	2	Medium	X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species	D	1	Low
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X7.33a	Between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, seed will be collected from similar habitats where and to the extent feasible in the local area and re-sown onto the ROW during reinstatement			
									X7.33b	If long-term monitoring shows slow recovery of the ROW between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			
KP344 - KP347	Approach to Hasansu River over narrow erodible ridges with thin erodible soils	Soil and Ground Conditions	Topsoil removal	Thin topsoil in this section is at risk of loss during construction leading to poor reinstatement	10.3.3	D	4	High	GENERIC	See Generic Commitment(s) relating to Issues A2, A3 & A4 and commitments: 2.07, 3.03, 3.05, 3.06, 3.09, 3.11, 3.15	D	3	Medium
		Soil and Ground Conditions	Topsoil removal	Thin topsoil in this section is at risk of loss during construction leading to poor reinstatement					X3.02	In sensitive areas of thin topsoil (as defined by the Company) additional precautions will be taken with the aim of preserving the topsoil for subsequent replacement where deemed feasible by the Company			
		Landscape and visual impact	The ROW will be benched (levelled) to create a safe working area for plant and machinery and the ridge will not be fully reinstated to pre-construction contours to reduce erosion	The visual appearance and character of the landscape will be altered permanently	10.4.3	C	4	Medium	X4.10	Following pipeline installation at KP321 - KP324 and KP344 - KP347, an assessment will be conducted and used to design the final landform. The aim will be to create a natural looking landform in keeping with the landscape character of the broader area, as far as practical, having due regard to the over-riding need to assure the integrity of the pipeline during operation	C	3	Medium
		Surface water	Vegetation and soil removal during construction	Increased erosion leading to sediment run-off and pollution of the watercourse	10.5.3	C	3	Medium	X5.10	The Project will undertake increased monitoring for signs of erosion during the two year post construction warranty period at KP321 - KP324 and KP344 - KP345	C	2	Low
KP345	Hasansu River Crossing	Surface water	Open-cut crossing of river that is located in highly erodible soils	Increased bank erosion; threat to integrity of pipeline.	10.5.3	C	4	Medium	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
			Open-cut crossing is upstream of possible third party water abstraction	Impact on water quality during construction may impact on small holding downstream if this still abstracts water	10.5.3	C	3	Medium	X5.19	The Company will determine whether the water abstraction at the Hasansu is still in existence and if so, will consider if there are potential impacts and agree if mitigation measures are required	C	2	Low
		Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			
		Ecology	River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium
KP345 - KP347	Location of <i>Iris camillae</i> on ROW	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Loss of individual plants	10.7.3	C	3	Medium	X7.23	A site specific ecological management plan to address <i>Iris camillae</i> on the ROW will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and May	C	1	Low
									GENERIC	See Generic Commitment(s): 19.10			
KP346	Bronze Age Cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	C	–	L

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP346	Pottery Spread	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	–	–	L	GENERIC	See Generic Commitment(s): 27.05, 27.06	–	–	L
KP346.1 - KP351	ROW passes through Artemisetum lerchiana purum semi-desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	2	Medium	X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species	D	1	Low
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
									X7.33a	Between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, seed will be collected from similar habitats where and to the extent feasible in the local area and re-sown onto the ROW during reinstatement			
									X7.33b	If long-term monitoring shows slow recovery of the ROW between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			
KP352	Medieval Settlement, Nineteenth century cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	3 (4)	M (H)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	D	–	L
KP353	Antique period settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	2 (3)	L (M)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	C	1 (2)	L (L)
KP356	Chalcolithic settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	C	2 (3)	L (M)	GENERIC	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	C	1 (2)	L (L)
KP358	Kura West crossing	Ecology	Clearance of temporary working area at non-open-cut river crossings	Habitat loss, fragmentation affecting use of the river as a movement corridor and degradation	10.7.3	C	2	Low	GENERIC	See Generic Commitment(s): 17.08, 17.14, 19.11a.e, D5.045, 17.05, 17.07, 17.10, 17.11	C	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species			
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
KP358 - KP390	Garayazi aquifer	Groundwater	Pipeline construction	Groundwater is close to surface, vulnerability is high, and in hydraulic continuity with Garayazi Wetland, part of the Garayazi Reserve (IUCN Cat 1a), with consequent risk of potential contamination by spills during construction	10.6.3	E	4	High	X6.01	A site specific risk assessment of the potential for impacts on groundwater will be undertaken if it is proposed to have static hazardous waste, chemical or fuel tanks between KP32, KP169 - KP390 (which includes the Karayazi aquifer from KP358 - KP390), or at the Saloglu Rail Spur and Offloading Area, Saloglu Pipe Storage Area and Saloglu Camp during construction. This will be used to develop any additional mitigation measures required.	E	2	Medium
									GENERIC	See Generic Commitments relating to Issues A7, A14, A15, A16 & A39 on Table B.2			
KP358 - KP390	Potential UXO area - now cleared	Soil and Ground Conditions	Pipeline construction	Potential disturbance of unexploded ordnance	10.3.3	E	5	High	GENERIC	See Generic Commitment(s): 39.01, 40.01, 40.02	E	1	Low
KP359 - KP370	ROW passes through Artemisetum lerchiana purum semi-desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	2	Medium	X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species	D	1	Low
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X7.33a	Between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, seed will be collected from similar habitats where and to the extent feasible in the local area and re-sown onto the ROW during reinstatement			
									X7.33b	If long-term monitoring shows slow recovery of the ROW between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, remedial action will be considered			
									GENERIC	See Generic Commitment(s): 19.10			
KP369	Kurudere River Crossing	Surface water	Open-cut crossing of erosion prone river	Increased bank erosion; threat to integrity of pipeline	10.5.3	C	4	Medium	X5.17	Site-specific crossing designs for open-cut watercourse crossings will be prepared that will specify the depth of installation and set back distance, based on a hydrological assessment of the river, and will consider the need for protection works to protect the integrity of the pipe	C	2	Low
		Ecology	Bank reinstatement following pipe installation	Potential impact on fish spawning and bank-nesting fauna	10.7.3	D	3	Medium	X7.21a	If artificial bank or bed reinforcement is required at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere, an assessment of the potential impacts (including habitat connectivity) and identification of any necessary mitigation measures will be undertaken by the Contractor	D	1	Low
									X7.21b	Any bed reinforcement at the Kurekchay, Ganjachay, Goshgarachay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu or Kurudere will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ red data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Ecology	River crossing installation and reinstatement	Potential impact on fish spawning habitat and migration for fish spawning	10.7.3	D	3	Medium	X7.30	Works at the Kurekchay, Ganjachay, Goshgarachay, Shamkirchay, Zeyamchay, Asrikchay, Tovuzchay, Hasansu and Kurudere river crossings will be planned to occur outside the fish spawning season. If work must be undertaken within the fish spawning season (of any IUCN/ Red Data book species present nominally April to July, the exact timing of which will be determined following a pre-construction survey) it will only be done following a site assessment and approval by the Company	D	1 or 2	Low or Medium
KP379	Chalcolithic Cemetery	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	–	L	GENERICs	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	D	–	L
KP383 - KP390	ROW passes through Artemisetum lerchiana purum semi-desert	Ecology	Topsoil stripping, handling, storage and re-instatement, driving on ROW	Habitat loss, fragmentation and degradation	10.7.3	D	2	Medium	X7.28a	Preconstruction surveys will be carried out by the Company at the most appropriate time of year (generally April-May depending on seasonality) at the defined locations to seek to establish the presence of any RDB plant species	D	1	Low
									X7.28b	A site specific ecological management plan to address RDB plants identified on the ROW or working areas during pre-construction surveys will be developed. This will be implemented when the plants are visible i.e. during or after the flowering season between April and July, depending on the species			
									X7.33a	Between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, seed will be collected from similar habitats where and to the extent feasible in the local area and re-sown onto the ROW during reinstatement			
									X7.33b	If long-term monitoring shows slow recovery of the ROW between KP321 - KP 322.9, KP335.4 - KP336.4, KP342 - KP346, KP346.1 - KP351, KP359 - KP370 and KP383 - KP390, remedial action will be considered			
									GENERICs	See Generic Commitment(s): 19.10			
KP385	Chalcolithic Settlement	Cultural Heritage	Stripping of topsoil and trenching	Loss or disturbance of known/unknown cultural heritage	10.10.3	D	–	L	GENERICs	See Generic Commitment(s): 27.01, 27.02, 27.05, 27.06	D	–	L

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP342	Agstafa Camp Option 3	Air Quality and GHG Emissions	Waste treatment by incineration, if installed	Reduced air quality in local area	10.8.3	C	2	Low	X8.05	If incineration is chosen as an option for waste treatment at the camps, an air quality and emissions monitoring programme will be developed and implemented in accordance with applicable permit requirements	C	1	Low
									GENERIC	See Generic Commitment(s): 7.13			
		Cultural Heritage	Topsoil removal, heavy vehicle movements	Potential damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Infrastructure and Services	Creation of passing spaces on existing access road	Improvement of access for existing users	10.15.3			Beneficial	None	None needed			Beneficial
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	C	4	Medium	X16.01	At Agstafa Camp Option 3, passing spaces places will be constructed along the access road	B	3	Low
									GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14			
KP288	Dallar Rail Spur and Offloading	Land Ownership and Land Use	Temporary land acquisition and use of agricultural private land	Potential disruption to livelihood and crop rotation	10.13.3	A	1	Low	GENERIC	See Generic Commitment(s): 17.05, 32.01, 32.17, 32.17, 33.19	A	1	Low
		Air Quality and GHG Emissions	Vehicle movements; topsoil and vegetation clearance	Disturbance to residents as a result of dust	10.8.3	E	3	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Landscape and Visual Impact	Pipe off-loading, storage and vehicle movement	Visual impact as nearest houses 100m from site	10.4.3	D	2	Medium	GENERIC	See Generic Commitment(s): 8.04	D	2	Medium
		Noise	Pipe off-loading, storage and vehicle movement on site and on access road to the site through adjacent community	Noise disturbance as nearest houses 100m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Land Ownership and Land Use	Temporary land acquisition and use of unused state land	Impact to municipality: temporary occupation of state land	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low
		Land Ownership and Land Use	Temporary land acquisition and use of used state land	Potential disruption of gravel plant operations	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low
		Cultural Heritage	Vibration from heavy vehicle movements	Potential damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
KP288	Dallar Pipe Storage Area	Air Quality and GHG Emissions	Vehicle movements; topsoil and vegetation clearance	Disturbance to residents as a result of dust	10.8.3	E	3	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Landscape and Visual Impact	Pipe off-loading, storage and vehicle movement	Visual impact as nearest houses 50m from site	10.4.3	D	2	Medium	GENERIC	See Generic Commitment(s): 8.04	D	2	Medium

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Noise	Pipe off-loading, storage and vehicle movement on site and on access road to the site through adjacent community	Noise disturbance as nearest houses 50m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Soil and Ground Conditions	Hydrocarbons, asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Land Ownership and Land Use	Temporary land acquisition and use of unused state land	Impact to municipality: temporary occupation of state land	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low
		Land Ownership and Land Use	Temporary land acquisition and use of used state land	Potential disruption of gravel plant operations	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low
		Cultural Heritage	Vibration from heavy vehicle movements	Potential damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
KP300	Dallar Pipe Storage Area Option B (Bayramli)	Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	B	2	Low	GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14, D5.036	B	2	Low
		Cultural Heritage	Heavy vehicle movements, topsoil removal	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments: 27.01, 25.13	B	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Land Ownership and Land Use	Temporary land acquisition and use of privately owned pasture land	Temporary loss of grazing	10.13.3	B	2	Low	GENERIC	See Generic Commitments: 32.01, 32.17, 33.19, 34.01	B	1	Low
		Landscape and Visual Impact	Pipe off-loading, storage and vehicle movement	Visual impact as nearest houses 50 - 100m from site	10.4.3	D	3	Medium	GENERIC	See Generic Commitment(s): 8.04	D	2	Medium
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	2	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Noise	Pipe offloading, storage and vehicle movement	Noise disturbance as nearest house 50-100m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
KP210	Gazanchi Pipe Storage Area Option A	Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	A	2	Low	GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14, D5.036	A	2	Low
		Soil and Ground Conditions	Asbestos cement	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Cultural Heritage	Topsoil removal and heavy vehicle movements, including on access road	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Community Health and Safety	Construction Traffic	Risk of traffic accidents if access road passes local dwellings	10.12.3	-	6	High	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities	-	5	Low
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 24.02, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
		Traffic and Transport	Use of local road network by construction traffic; disruption of traffic flows causing inconvenience to local users	Congestion leading to delays	10.16.3	C	3	Medium	GENERIC	See Generic Commitment(s): 30.24, 37.02, 37.05, 33.14, D5.036	C	2	Low
		Land Ownership and Land Use	Temporary land acquisition and use of use and unused municipal land	Temporary occupation of municipal land. Disruption to grazing and agricultural use	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low
KP210	Gazanchi Pipe Storage Area Option B	Soil and Ground Conditions	Asbestos cement	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	2	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Noise	Pipe offloading, storage and vehicle movement	Noise disturbance as nearest house 50m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Cultural Heritage	Topsoil removal and heavy vehicle movements, including on access road	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low
		Community Health and Safety	Construction Traffic	Risk of traffic accidents if access road passes local dwellings	10.12.3	-	6	High	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities	-	5	Low
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 24.02, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest house 50m from site	10.4.3	D	3	Medium	GENERIC	See Generic Commitment(s): 8.04	D	3	Medium
		Traffic and Transport	Use of local road network by construction traffic; disruption of traffic flows causing inconvenience to local users	Congestion leading to delays	10.16.3	C	3	Medium	GENERIC	See Generic Commitment(s): 30.24, 37.02, 37.05, 33.14, D5.036	C	2	Low
		Land Ownership and Land Use	Temporary land acquisition and use of unused municipal land	Temporary occupation of unused municipal land	10.13.3	A	1	Low	GENERIC	See Generic Commitment(s): 32.01, 32.17, 33.19, 35.09	A	1	Low
KP210	Gazanchi Rail Spur and Offloading	Soil and Ground Conditions	Asbestos cement	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	2	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Noise	Pipe offloading, storage and vehicle movement	Noise disturbance as nearest house 100m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172 See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Community Health and Safety	Vehicle movement	Risk of traffic accidents if access road passes local dwellings	10.12.3	-	6	High	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities	-	5	Low
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 24.02, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
		Cultural Heritage	Heavy vehicle movements	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest house 100m from site	10.4.3	D	3	Medium	GENERIC	See Generic Commitment(s): 8.04	D	3	Medium

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Traffic and Transport	Use of local road network by construction traffic; disruption of traffic flows causing inconvenience to local users	Congestion leading to delays	10.16.3	C	3	Medium	GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14, D5.036	C	2	Low
		Land Ownership and Land Use	Temporary land acquisition and use of disused rail siding on state land	Temporary occupation of state land	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 32.01, 32.17, 33.19, 35.09	B	1	Low
KP214	Goranboy Camp Option 3, including temporary access to camp	Air Quality and GHG Emissions	Waste treatment by incineration, if installed	Reduced air quality in local area	10.8.3	C	2	Low	X8.05	If incineration is chosen as an option for waste treatment at the camps, an air quality and emissions monitoring programme will be developed and implemented in accordance with applicable permit requirements	C	1	Low
									GENERIC	See Generic Commitment(s): 7.13			
		Soil and Ground Conditions	Medical and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low		See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Cultural Heritage	Topsoil removal, heavy vehicle movements	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low
		Ecology	Clearance of site	Accidental damage or removal of trees and shrubs on site boundaries	10.7.3	B	3	Low	GENERIC	See Generic Commitment(s): D5.045	B	1	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	A	1	Low	GENERIC	See Generic Commitment(s): 30.24, 37.05, 33.14,	A	1	Low
		Land Ownership and Land Use	Temporary land acquisition and use of currently unused private land	Potential impacts on any future agricultural use; potential disruption of herd movements	10.13.3	C	3	Medium	GENERIC	See Generic Commitment(s): 17.05, 32.01, 32.17, 33.19	C	1	Low
KP92 - KP93	Kurdemir Pipe Storage Area 1 (Mususlu) including access	Soil and Ground Conditions	Asbestos cement, medical waste and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT			
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance	
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest house 150m from site	10.4.3	D	2	Medium	GENERIC	See Generic Commitment(s): 8.04	D	2	Medium	
		Ecology	Access to Pipe Storage Areas through Phragmiteta-Typhetum wetland area and Irrigation canal	Possible loss of a band of wetland due to road upgrade for transport of pipe Option A.	10.7.3	C	3	Medium	GENERIC	See Generic Commitment(s): 17.07; 17.10; 17.11; 17.14; 17.18	C	2	Low	
				Possible loss of a band of wetland due to road upgrade for transport of pipe Option B. Loss of vegetation at irrigation canal due to culverting	10.7.3	B	3	Low	X7.36	At Kurdemir Pipe Storage Area Options 1 and 2 (Mususlu), any widening of the access track associated with these sites will be planned to take place during the late summer or autumn with the aim of avoiding peak periods for wintering birds and breeding amphibians/reptiles/birds. If this is not possible then works will only be done following a site-specific survey and assessment and approval by the Company	C	1	Low	
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	2	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium	
										GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Noise	Pipe offloading, storage and vehicle movement	Noise disturbance as nearest house 150m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low	
										X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
										GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Cultural Heritage	Topsoil removal, heavy vehicle movements including along access road through adjacent community	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low
		Infrastructure and Services	Upgrading of existing access road under Option A	Improvement of access for existing users	10.15.3			Beneficial	None	None needed			Beneficial
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	D	4	High	GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14, D5.055	D	1	Low
		Land Ownership and Land Use	Temporary land acquisition and use of unused state land	Potential disruption of herd movements	10.13.3	A	1	Low	GENERIC	See Generic Commitment(s): 17.05, 32.17, 33.19, 35.09	A	1	Low
		Community Health and Safety	Pipe transported across the east-west highway	Risk of traffic accidents	10.12.3		6 (probability)	High	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities		5 (probability)	High
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
KP94	Kurdemir Pipe Storage Area 2 (Mususlu) including access	Ecology	Access to Pipe Storage Areas through Phragmiteta-Typhetum wetland area and Irrigation canal	Possible loss of a band of wetland due to road upgrade for transport of pipe Option A.	10.7.3	C	3	Medium	GENERIC	See Generic Commitment(s): 17.07; 17.10; 17.11; 17.14; 17.18	C	2	Low
				Possible loss of a band of wetland due to road upgrade for transport of pipe Option B. Loss of vegetation at irrigation canal due to culverting	10.7.3	B	3	Low	X7.36	At Kurdemir Pipe Storage Area Options 1 and 2 (Mususlu), any widening of the access track associated with these sites will be planned to take place during the late summer or autumn with the aim of avoiding peak periods for wintering birds and breeding amphibians/reptiles/birds. If this is not possible then works will only be done following a site-specific survey and assessment and approval by the Company	C	1	Low
		Cultural Heritage	Topsoil removal, heavy vehicle movements including along access road through adjacent community	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	D	4	High	GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14, D5.055	D	3	Medium
		Land Ownership and Land Use	Temporary land acquisition and use of used state land	Temporary loss of grazing and agricultural activity during construction	10.13.3	B	2	Low	GENERIC	See Generic Commitments 32.01, 32.17, 33.19, 35.09	B	1	Low
		Community Health and Safety	Pipe transported across the east-west highway	Risk of traffic accidents	10.12.3		6 (probability)	High	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities		5 (probability)	High
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
		Infrastructure and Services	Upgrading of existing access road under Option A	Improvement of access for existing users	10.15.3			Beneficial	None	None needed			Beneficial
KP92 - KP93	Kurdemir Rail Spur and Pipe Offloading Area	Landscape and Visual Impact	Pipe off-loading, storage and vehicle movement	Visual impact as nearest houses 50m from site	10.4.3	D	3	Medium	GENERIC	See Generic Commitment(s): 8.04	D	3	Medium
		Noise	Pipe off-loading, storage and vehicle movement	Noise disturbance as nearest houses 50m from site, but houses other side of railway line	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Community Health and Safety	Vehicle movement	Risk of traffic accidents caused by pipe being transported across	10.12.3	-	6	High	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities	-	5	High

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
				the east-west highway and through a community									
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
		Cultural Heritage	Heavy vehicle movements, including on access road through adjacent community	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low
		Land Ownership and Land Use	Temporary land acquisition and use of unused rail siding on state land	Temporary occupation of state land	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 32.01, 32.17, 33.19, 35.09	B	1	Low
		Infrastructure and Services	Upgrading of existing access road under Option A – see Kurdemir Pipe Storage Area Option 1 and 2 (Mususlu)	Improvement of access for existing users	10.15.3			Beneficial	None	None needed			Beneficial
			Construction activities near overhead electrical lines	Temporary disruption to users while lines are moved		C or D	4	Medium - High	GENERIC	See Generic Commitment(s): 35.01, 35.02, 35.03, 35.04, 35.09	C or D	1	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	D	4	High	GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14, D5.055	D	1	Low
		Air Quality and GHG Emissions	Vehicle movements; topsoil and vegetation clearance	Disturbance to residents as a result of dust	10.8.3	E	4	High	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	3	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Surface Water	Surface water run-off	Pollution of irrigation channel and wetland area to west of the site with sediment	10.5.3	B	5	Medium	GENERIC	See Generic Commitment(s): 14.06, 14.08, 7.13	B	3	Low

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP72	Kurdemir Camp Option 5	Air Quality and GHG Emissions	Waste treatment by incineration, if installed	Reduced air quality in local area	10.8.3	C	2	Low	X8.05	If incineration is chosen as an option for waste treatment at the camps, an air quality and emissions monitoring programme will be developed and implemented in accordance with applicable permit requirements	C	1	Low
										GENERICs	See Generic Commitment(s): 7.13		
		Cultural Heritage	Topsoil removal, heavy vehicle movements	Potential damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERICs	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	A	2	Low	GENERICs	See Generic Commitment(s): 30.24, 37.05, 33.14, 37.04	A	2	Low
		Land Ownership and Land Use	Temporary land acquisition and use of used municipal land:	Loss of agricultural activity during construction; potential disruption of access to irrigation canals; potential disruption of herd movements	10.13.3	C	3	Medium	GENERICs	See Generic Commitment(s): 16.01, 17.05, 32.01, 32.17, 33.19, 35.07, 35.08, 35.09	C	1	Low
KP7	Mugan Rail Spur and Offloading Area	Landscape and Visual Impact	Visual intrusion	Visual impact as nearest houses 80m from site	10.4.3	D	3	Medium	GENERICs	See Generic Commitment(s): 8.04	D	3	Medium
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	3	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
										GENERICs	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02		
		Noise	Pipe off-loading, storage and vehicle movement on site and on access road to the site through adjacent community	Noise disturbance as nearest houses 80m from site, but houses are other side of railway line	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Vibration	Heavy vehicle movements on access road through adjacent community	Potential damage to houses	10.9.3	D	4	High	GENERIC	See Generic Commitment(s): 25.13, 25.14, 25.15, 25.16	D	1	Low
		Community Health and Safety	Construction traffic	Risk of traffic accidents if access road passes through communities	10.12.3		6 - 7 (probability)	Low to Medium	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities		6 - 7 (probability)	Low to Medium
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	E	3	Medium	GENERIC	See Generic Commitment(s): 30.24, 37.05, 37.04, 33.14, D5.036	E	3	Medium
		Cultural Heritage	Heavy vehicle movements on access road through adjacent community	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitments 25.13, 27.01	B	1	Low
		Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Land Ownership and Land Use	Temporary land acquisition and use of used state land	Temporary occupation of used state land	10.13.3	A	1	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	A	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP7	Mugan Pipe Storage Area	Air Quality and GHG Emissions	Topsoil and vegetation clearance, vehicle movements	Disturbance to residents as a result of dust	10.8.3	E	3	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERICs	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Landscape and Visual Impact	Pipe off-loading, storage and vehicle movement	Visual impact as nearest houses 80m from site	10.4.3	D	3	Medium	GENERICs	See Generic Commitment(s): 8.04	D	2	Medium
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest houses 80m from site	10.4.3	D	3	Medium	GENERICs	See Generic Commitment(s): 8.04	D	2	Medium
		Noise	Pipe off-loading, storage and vehicle movement on site and on access road to the site through adjacent community	Noise disturbance as nearest houses 80m from site, but houses are other side of railway line	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERICs	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Vibration	Heavy vehicle movements on access road through adjacent community	Potential damage to houses	10.9.3	D	4	High	GENERICs	See Generic Commitment(s): 25.13, 25.14, 25.15, 25.16	D	1	Low
		Cultural Heritage	Heavy vehicle movements on access road through adjacent community	Potential damage to buildings or sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERICs	See Generic Commitments 25.13, 27.01	B	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Community Health and Safety	Construction traffic	Risk of traffic accidents if access road passes through communities	10.12.3		6 - 7 (probability)	Low to Medium	X12.05	Traffic management measures will be developed and implemented with the aim of minimising impact to communities		6 - 7 (probability)	Low to Medium
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			
		Land Ownership and Land Use	Temporary land acquisition and use of used state land	Temporary occupation of used state land	10.13.3	A	1	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	A	1	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	E	3	Medium	GENERIC	See Generic Commitment(s): 30.24, 37.05, 37.04, 33.14, D5.036	E	3	Medium
		Soil and Ground Conditions	Asbestos cement and municipal waste contamination	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
KP256	Samukh Camp Option 3	Air Quality and GHG Emissions	Waste treatment by incineration, if installed	Reduced air quality in local area	10.8.3	C	2	Low	X8.05	If incineration is chosen as an option for waste treatment at the camps, an air quality and emissions monitoring programme will be developed and implemented in accordance with applicable permit requirements	C	1	Low
									GENERIC	See Generic Commitment(s): 7.13			
		Air Quality and GHG Emissions	Construction traffic along access road to site	Disturbance to residents as a result of dust	10.8.3	E	2	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Noise	Increased levels of heavy vehicle movements along access road to site and camp related activities	Noise disturbance as houses close to access route and 150m from the site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Vibration	Heavy vehicle movements on access roads to site	Potential damage to houses caused by vibration	10.9.3	D	2	Medium	GENERIC	See Generic Commitment(s): 25.13, 25.14, 25.15, 25.16	D	1	Low
		Cultural Heritage	Topsoil removal, increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Cultural Heritage	Construction traffic and camp activities	Impacts of dust and noise on users of fountain adjacent to the corner of the site	10.10.3	B	3	Low	X10.15	The memorial public water fountain (bulag) of recent origin will be excluded from the fenced area of the camp. There will be a buffer zone agreed with the appropriate stakeholder representative between the building and the camp boundary fence. Access will be kept open to the structure. Project will communicate with the stakeholder representative to understand concerns and institute appropriate monitoring as required	B	2	Low
		Community Health and Safety	Construction traffic	Risk of traffic accidents if access road passes through communities	10.12.3		6 (probability)	High	GENERIC	See Generic Commitment(s): 6.12, 19.07, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20		5 (probability)	High
									X12.05	See Generic Commitment(s): 27.01, 25.13			
		Ecology	Clearance of site	Accidental damage or removal of trees and shrubs on site boundaries	10.7.3	B	3	Low	GENERIC	See Generic Commitment(s): D5.045	B	1	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	B to C	3	Low to Medium	GENERIC	See Generic Commitment(s): 30.24, 37.05, 33.14, 37.04	B to C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Land Ownership and Land Use	Temporary land acquisition and use of used state land:	Loss of agricultural activity during construction; potential disruption of herd movements	10.13.3	C	3	Medium	GENERIC	See Generic Commitment(s): 16.01, 17.05, 32.01, 32.17, 33.19, 35.09	C	1	Low
KP358 - KP390	Saloglu Rail Spur and Offloading	Soil and Ground Conditions	UXO are known to be present at the site	Potential disturbance of unexploded ordnance	10.3.3	E	5	High	GENERIC	See Generic Commitment(s): 39.01, 40.01, 40.02	E	1	Low
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest houses 50m from site	10.4.3	D	3	Medium	GENERIC	See Generic Commitment(s): 8.04	D	3	Medium
		Groundwater	Pipeline construction	Groundwater is close to surface, vulnerability is high, and in hydraulic continuity with Garayazi Wetland, part of the Garayazi Reserve (IUCN Cat 1a), with consequent risk of potential contamination by spills during construction	10.6.3	E	4	High	X6.01	A site specific risk assessment of the potential for impacts on groundwater will be undertaken if it is proposed to have static hazardous waste, chemical or fuel tanks between KP32, KP169 - KP390 (which includes the Karayazi aquifer from KP358 - KP390), or at the Saloglu Rail Spur and Offloading Area, Saloglu Pipe Storage Area and Saloglu Camp during construction. This will be used to develop any additional mitigation measures required.	E	2	Medium
		Cultural Heritage	Increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	3	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Noise	Pipe offloading, storage and vehicle movement	Noise disturbance as nearest house 50m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10, D8.05			
		Infrastructure and Services	Existing access will need to be widened or an alternative access provided to existing users	Improvement of access for existing users	10.15.3			Beneficial	None	None needed			Beneficial
			Construction activities near water pipes	Temporary disruption to users while pipes are moved	10.15.3	C or D	4	Medium - High	GENERIC	See Generic Commitment(s): 35.01, 35.02, 35.03, 35.04, 35.09	C or D	1	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	D	4	High	X16.03	At Saloghlul Rail Spur and Offloading Area, the existing access will be widened or an alternative access provided for existing users	B	3	Low
									GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14			
KP358 - KP390	Saloghlul Camp	Land Ownership and Land Use	Temporary land acquisition and use of used state land	Temporary occupation of state land. Potential disruption to existing users	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low
		Soil and Ground Conditions	UXO are known to be present at the site	Potential disturbance of unexploded ordnance	10.3.3	E	5	High	GENERIC	See Generic Commitment(s): 39.01, 40.01, 40.02	E	1	Low
		Groundwater	Pipeline construction	Groundwater is close to surface, vulnerability is high, and in hydraulic continuity with Garayazi Wetland, part of the Garayazi Reserve (IUCN Cat 1a), with consequent risk of potential contamination by spills during construction	10.6.3	E	4	High	X6.01	A site specific risk assessment of the potential for impacts on groundwater will be undertaken if it is proposed to have static hazardous waste, chemical or fuel tanks between KP32, KP169 - KP390 (which includes the Karayazi aquifer from KP358 - KP390), or at the Saloghlul Rail Spur and Offloading Area, Saloghlul Pipe Storage Area and Saloghlul Camp during construction. This will be used to develop any additional mitigation measures required.	E	2	Medium

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									GENERIC	See Generic Commitments relating to Issues A7, A14, A15, A16 & A39 on Table B.2			
		Cultural Heritage	Topsoil removal, increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Noise	Increased levels of heavy vehicle movement on access route to the site	Noise disturbance	10.9.3	C	2	Low	GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 37.10	C	2	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	B	3	Low	GENERIC	See Generic Commitment(s): 30.24, 37.05, 33.14, D5.055, 37.04	B	3	Low
		Land Ownership and Land Use	Temporary land acquisition and use of used state land	Disruption of grazing and herd movements	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low
KP358 - KP390	Salogluhlu Pipe Storage Area	Ecology	Activity adjacent to Garayazi-Agstafa State Nature Sanctuary	Effects of noise, dust and light on protected species	10.8.3	C	2	Low	X7.35	At the Salogluhlu Pipe Storage Area, a buffer zone between the site and the protected area will be determined by COMPANY	C	1	Low
									GENERIC	See Generic Commitment(s): 25.07, 25.08			
		Soil and Ground Conditions	UXO are known to be present at the site	Potential disturbance of unexploded ordnance	10.3.3	E	5	High	GENERIC	See Generic Commitment(s): 39.01, 40.01, 40.02	E	1	Low
		Landscape and Visual Impact	Visual intrusion	Visual impact as herder's hut on site boundary	10.4.3	D	4	High	D8.05	There will be a 50m buffer zone between the herder's temporary dwelling and the pipe storage boundary fence	D	3	Medium
									GENERIC	See Generic Commitment(s): 8.04			
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	4	High	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	3	Medium
									D8.05	There will be a 50m buffer zone between the herder's temporary dwelling and the pipe storage boundary fence			
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Noise	Pipe offloading, storage and vehicle movement	Noise disturbance as shepherd's hut less than 50m from site	10.9.3	C	4	Medium	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									D8.05	There will be a 50m buffer zone between the herder's temporary dwelling and the pipe storage boundary fence			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10, D8.05			
		Cultural Heritage	Topsoil removal, increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Groundwater	Pipeline construction	Groundwater is close to surface, vulnerability is high, and in hydraulic continuity with Garayazi Wetland, part of the Garayazi Reserve (IUCN Cat 1a), with consequent risk of potential contamination by spills during construction	10.6.3	E	4	High	X6.01	A site specific risk assessment of the potential for impacts on groundwater will be undertaken if it is proposed to have static hazardous waste, chemical or fuel tanks between KP32, KP169 - KP390 (which includes the Karayazi aquifer from KP358 - KP390), or at the Saloglu Rail Spur and Offloading Area, Saloglu Pipe Storage Area and Saloglu Camp during construction. This will be used to develop any additional mitigation measures required.	E	2	Medium

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
KP357	Poylu Rail Spur and Offloading								GENERIC	See Generic Commitments relating to Issues A7, A14, A15, A16 & A39 on Table B.2			
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	B	3	Low	GENERIC	See Generic Commitment(s): 30.24, 37.05, 37.04, 33.14, D5.055	B	3	Low
		Land Ownership and Land Use	Temporary land acquisition and use of used state land	Disruption of grazing and herd movements	10.13.3	A	1	Low	GENERIC	See Generic Commitment(s): 17.05, 32.17, 33.19, 35.09	A	1	Low
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest houses 100m from site	10.4.3	D	2	Medium	GENERIC	See Generic Commitment(s): 8.04	D	2	Medium
		Noise	Pipe off-loading, storage and vehicle movement on site and on access road to the site through adjacent community	Noise disturbance as nearest houses 100m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Cultural Heritage	Increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Vibration	Heavy vehicle movements on access road through adjacent community	Potential damage to houses	10.9.3	D	2	Medium	GENERIC	See Generic Commitment(s): 25.13, 25.14, 25.15, 25.16	D	1	Low
		Infrastructure and Services	Construction activities near overhead electrical lines	Temporary disruption to users while lines are moved	10.15.3	C or D	4	Medium - High	GENERIC	See Generic Commitment(s): 35.01, 35.02, 35.03, 35.04, 35.09	C or D	1	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	A	2	Low	GENERIC	See Generic Commitment(s): 30.24, 37.05, 33.14, 37.04, D5.036	A	2	Low
		Community Health and Safety	Construction traffic	Risk of traffic accidents if access road passes through communities	10.12.3	-	4 (probability)	Medium	GENERIC	See Generic Commitment(s): 6.12, 19.07, 24.02, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20		2 (probability)	Medium
		Land Ownership and Land Use	Temporary land acquisition and use of existing rail siding on state land and offloading area on municipal land	Temporary occupation of state and municipal land. Potential disruption of existing gypsum storage operation	10.13.3	C	3	Medium	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	C	1	Low
KP357	Poylu Pipe Storage Area	Landscape and Visual Impact	Visual intrusion	Visual impact as nearest houses 100m from site	10.4.3	D	3	Medium	GENERIC	See Generic Commitment(s): 8.04	D	3	Medium
		Noise	Pipe off-loading, storage and vehicle movement on site and on access road to the site through adjacent community	Noise disturbance as nearest houses 100m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	3	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02, D8.05			

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Cultural Heritage	Topsoil removal, increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Traffic and Transport	Use of local road network by construction traffic	Congestion leading to delays	10.16.3	A	2	Low	GENERIC	See Generic Commitment(s): 30.24, 37.05, 33.14, 37.04, D5.036	A	2	Low
		Land Ownership and Land Use	Temporary land acquisition and use of private land	Potential impacts on any future agricultural use. Potential disruption of herd movements	10.13.3	C	3	Medium	GENERIC	See Generic Commitment(s): 17.05, 32.01, 32.17, 33.19,	C	1	Low
KP118	Ujar Camp Option 5	Air Quality and GHG Emissions	Waste treatment by incineration, if installed	Reduced air quality in local area	10.8.3	C	2	Low	X8.05	If incineration is chosen as an option for waste treatment at the camps, an air quality and emissions monitoring programme will be developed and implemented in accordance with applicable permit requirements	C	1	Low
									GENERIC	See Generic Commitment(s): 7.13			
			Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	2	Medium	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	2	Medium
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Soil and Ground Conditions	Asbestos cement and municipal waste. Potential contamination by pesticides	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERIC	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Noise	Increased vehicle movements and construction camp related activities	Noise disturbance as nearest house 150m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									GENERICs	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10, D8.05			
		Cultural Heritage	Topsoil removal, increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERICs	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest houses 150m from site	10.4.3	D	2	Medium	GENERICs	See Generic Commitment(s): 8.04	D	1	Low
		Ecology	Clearance of site	Band of shrub vegetation on the eastern boundary	10.7.3	B	3	Low	GENERICs	See Generic Commitment(s): D5.045	B	1	Low
		Land Ownership and Land Use	Temporary land acquisition and use of currently unused municipal land	Potential impacts on any future agricultural use. Potential disruption of access to irrigation; potential disruption of herd movements	10.13.3	C	3	Medium	GENERICs	See Generic Commitment(s): 16.01, 17.05, 32.01, 32.17, 33.19, 35.07, 35.08, 35.09	C	1	Low
KP172	Yevlakh Rail Spur, Offloading and Pipe Storage Area	Soil and Ground Conditions	Asbestos board cement	Health and safety of workforce and risk of mobilisation of contaminants into the wider environment	10.3.3	B	3	Low	GENERICs	See Generic Commitment(s): 6.01, 6.02	B	-	Beneficial
		Landscape and Visual Impact	Visual intrusion	Visual impact as nearest houses 50m from site	10.4.3	D	3	Medium	GENERICs	See Generic Commitment(s): 8.04	D	3	Medium
		Noise	Pipe offloading, storage and vehicle movement on site and on access road at entrance to the site where it passes houses	Noise disturbance as nearest house 50m from site	10.9.3	C	2	Low	X9.03	Site layout will be designed, where practical and feasible, to locate noisy plant in areas further away from houses at the BVR at KP172 and camps and pipe storage areas where a risk assessment shows that there may be significant noise impacts on sensitive receptors	C	2	Low

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
									X9.04	An assessment and a baseline noise survey will be undertaken prior to construction at any camp and pipe storage areas located within 450m of dwellings, or other sensitive receptors such as schools or hospitals, and at locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289); and at the BVRs at KP21 and KP172			
									X9.05	A new access road will be created away from existing houses and occupied residences			
									GENERIC	See Generic Commitment(s): 25.03, 25.04, 25.05, 25.08, 25.09, 37.10			
		Vibration	Vibration from heavy vehicles passing close to houses at the entrance to the site	Potential risk of damage to buildings	10.9.3	D	4	High	X9.05	A new access road will be created away from existing houses and occupied residences	D	1	Low
									GENERIC	See Generic Commitment(s): 25.13, 25.14, 25.15, 25.16			
		Air Quality	Dust generation from vehicle movements; topsoil and vegetation clearance	Disturbance to residents as sites are close to houses and/or on the access road to the site	10.8.3	E	4	High	X8.04	At locations where the proposed SCPX route passes in close proximity to dwellings (KP62.2, BVR A06, KP104-KP108, KP116-KP120, KP121-KP125, KP287-KP289) and at camps and pipe storage yards close to dwellings, the Project will undertake monitoring for dust generation and damp down as necessary	E	3	Medium
									X9.05	A new access road will be created away from existing houses and occupied residences			
									GENERIC	See Generic Commitment(s): 23.05, 23.06, 24.01, 24.02			
		Cultural Heritage	Topsoil removal, increased levels of heavy vehicle movements on access roads to site	Damage to sites of cultural heritage/archaeological importance, if present	10.10.3	B	1	Low	GENERIC	See Generic Commitment(s): 27.01, 25.13	B	1	Low
		Community Health and Safety	Traffic accessing site along existing access road	Risk of traffic accidents, as existing road passes close to occupied buildings and residences	10.12.3	-	6 - 7 (probability)	Low - Medium	X9.05	A new access road will be created away from existing houses and occupied residences		6 - 7 (probability)	Low
									GENERIC	See Generic Commitment(s): 6.12, 19.07, 30.08, 30.15, 33.01, 33.15, 33.16, 37.04, 37.06, 37.09, 37.10, 37.20			

SCP Expansion Project, Azerbaijan
Environmental and Social Impact Assessment
Final

LOCATION		POTENTIAL IMPACTS				POTENTIAL IMPACT			MITIGATION		RESIDUAL IMPACT		
KP	Location Description	Topic	Activity	Impact	ESIA Ref	Sensitivity	Magnitude	Significance	Ref	Commitments Relating to the Issues	Sensitivity	Magnitude	Significance
		Traffic and Transport	Use of existing access road by construction traffic	Congestion leading to delays	10.16.3	B	2	Low	X9.05	A new access road will be created away from existing houses and occupied residences	B	2	Low
									GENERIC	See Generic Commitment(s): 30.24, 37.04, 37.05, 33.14, D5.036			
		Land Ownership and Land Use	Temporary land acquisition and use of used state and municipal land	Disruption of grazing and herd movements	10.13.3	B	2	Low	GENERIC	See Generic Commitment(s): 17.05, 33.19, 35.09	B	1	Low