Appendice N Cronoprogramma delle Attività di Monitoraggio Ambientale

Doc. No. P0012454-1-H5 Rev.3 – Novembre 2020



	Appendice N Cronoprogramma delle Attività di Monitoraggio Ambientale Doc. No. P0012454-1-H5 Rev.3 – Novembre 2020	
ID Attività	2021 2022 2023 2024 2025 2025 2021 jic gen feb mar apr mag giu lug ago set ott nov dic gen feb mar apr mag gi	6 lug ago set ott nov dic ger
1 ARTICOLAZIONE DELLA REALIZZAZIONE DEL PROGETTO IN FASI (Parere MATTM CTVA PROT 3156 DEL 25/10/2019) 2 FASE 1 - Costruzione del terminale di misura e ricezione 3 FASE 1 - Preparazione delle aree di cantiere a terra per la realizzazione dell'approdo mediante tecnica di trivellazione controllata (TOC) 4 FASE 2 1 - Preparazione della perforazione del foro pilota, alesaggio e exit point della TOC e posa della condotta a mare a partire dalla costa italiana verso quella greca 5 FASE 3 - Scavo delle trince e successiva posa delle condotte a terra 6 FASE 4 - Collaudo idraulico dell'opera 7 COMMISSIONING E AVVIAMENTO DELL'INTERA PIPELINE (Italia + Grecia) 8 AVVIO ATTIVITA'D I ESERCIZIO 9 MONITORAGGIO AMBIENTALE POSEIDON PIPELINE PROJECT 10 Water column (P0012454-1+IS, Rev. 3 November 2020 - Section 6.1) 11 Measure of water column physycal/chemical/biological parameters (AO 2 campaign in spring + fall period)-AO 1 Spring period 12 Measure of water column physycal/chemical/biological parameters (CO 2 campaign in most significant phases) CO 1 exit pit dredging 14 Measure of water column physycal/chemical/biological parameters (CO 2 campaign during most significant phases) - CO 2 HDD completion/pipeline pullback 16 Measure of water column physycal/chemical/biological parameters (CO 2 campaign during most sig		
17 Measure of water column physycal/chemical/biological parameters (PO 2 campaign, tentatively in spring-fall period during first year after end works-samy further campaign until restoration) and REPORTING 18 Dispersion of heavy metals from cathodic protection survey (PO - Prescription A12) and REPORTING 19 Sediments (P0012454-1-H5, Rev.3 November 2020 - Section 6.2 - dedicated Sediment Characterization Plan to be prepared - Prescription A2) 20 Excavated sediments sampling and testing (AO - Prescription A2) 21 Excavated sediments sampling and testing - REPORTING AO results (Included in Sediments Handling Plan - Prescription A2) - IGI Poseidon to authority 22 Sediments quality - measure of surface physycal/chemical and microbiological parametrs of sediments and benthos (AO 1 campaign) 23 Sediments quality - measure of surface physycal/chemical and microbiological parametrs of sediments and benthos - REPORTING AO results - IGI Poseidon to authority 24 Sediments quality - measure of surface physycal/chemical and microbiological parametrs of sediments and benthos (CO 2 campaign upon end of most significant phases) - CO1 exit pit dredging 25 Sediments quality - measure of surface physycal/chemical and microbiological parametrs of sediments and benthos (CO 2 campaign upon end of most significant phases) - CO1 exit pit dredging 26 Sediments quality - measure of surface physycal/chemical and microbiological parametrs of sediments and benthos (CO 2 campaign upon end of most significant phases) - CO1 exit pit dred		
REPORTING C0 results - IGI Poseidon to authority 27 Sediments quality - measure of surface physycal/chemical and microbiological parametrs of sediments and benthos (PO 1 campaign/year for 3 years after end works + any further campaign until restoration) and REPORTING 28 Turbidity and suspended solids (PO012454-1:H5, Rev.3 November 2020 - Section 6.3) 29 Turbidity tard suspended solids (PO012454-1:H5, Rev.3 November 2020 - Section 6.3) 30 Turbidity/currents monitoring (AO turbidimeter continuous 1 year campaign - neeed for A3) 31 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 32 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 33 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 34 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 35 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 36 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 37 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 37 Turbidity/suspended solids (AO 3 stations discontinuous monthly campaign - neeed for A3) 38 Turbidity/suspended solids (AO 3 stations discontinuous monthly		
43 Turbidity/suspended solids (A3 stations discontinuous monthly campaign - neeed for A3) 44 Turbidity/currents/T/suspended solids monitoring (REPORTING A0 Monitoring) - 10 Poseidon to authority 45 Turbidity/currents/T/salinity/suspended solids (dicontinuous 14 stations AO 2 campaign) - AO 1-2 campaigns in the indicated period 46 Turbidity/currents/T/salinity/suspended solids (dicontinuous 14 stations AO 2 campaign) - AO 1-2 campaigns in the indicated period 47 Turbidity/currents/T/Salinity/suspended solids (dicontinuous 14 stations AO 2 campaign) - REPORTING AO results - IGI Poseidon to authority 48 Turbidity/currents/T/Salinity/suspended solids (dicontinuous 14 stations CO 2 campaign during most significant phases) - CO1 exit pit dredging 48 Turbidity/currents/T/Salinity/suspended solids (dicontinuous 14 stations CO 2 campaign during most significant phases - CO2 HDD completion/pipeline pullback 49 Turbidity/currents/C Continuous w. Turbidimeter - Exit pit and HDD completion/pipeline pullback) - CO continuous during offshore yard activities 50 Turbidity/currents/T/Salinity/suspended solids - REPORTING CO results - IGI Poseidon to authority 51 Turbidity/currents/T/Salinity/suspended solids - REPORTING CO results - IGI Poseidon to authority 51 Turbidity/currents/T/Salinity/suspended solids - REPORTING CO results - IGI Poseidon to authority 52 Marine biocoenoses (P000122451-145, Rev.3 November 2020 -		
sensitive biocoenoses - Ufficio Parchi e Tutela Biodiversità and A3) - AO campaign within the indicated period 55 Biocoenoses mapping and monitoring - REPORTING AO results - IGI Poseidon to authority 56 Biocoenoses monitoring - Soft Bottom Sampling (CO 1 campaign)-CO campaign during offshore activities 57 Biocoenoses REPORTING CO results - IGI Poseidon to authority 58 ROV monitoring (CO - ROV assisted pipelay in case of seabed w. Presence of sensitive biocoenoses) within the indicated period 59 Biocoenoses mapping w. ROV monitoring (CO - ROV assisted pipelay in case of seabed w. presence of sensitive biocoenoses) - REPORTING CO results - IGI Poseidon to authority 60 Biocoenoses monitoring - Soft Bottom Sampling; Hard Bottom Photo acquisition; Posidonia PREI Index evaluation (PO 1 campaign upon end works + further PREI index 2 PO campaign after 1 and 3 years from end works) and REPORTING 61 Biocoenoses mapping w. ROV monitoring PO in case of seabed w. Presence of sensitive biocoenoses) and REPORTING 62 Fish Fauna (P0012454-1-HS, Rev.3 November 2020 - Section 6.5) 63 Eich fauna complication during compared repainting instruction for 5.5		
63 Fish fauna monitoring (visual census and scientific fishing - species identification; Abundance; Size; Gender and Sexual Maturity) (AO 4 seasonal campaign/year) - AO 1-2-3-4 (4 seasonal campaign within one year period before start activities) 64 Fish fauna monitoring (visual census and scientific fishing - species identification; Abundance; Size; Gender and Sexual Maturity) - CO seasonal campaigns and scientific fishing - species identification; Abundance; Size; Gender and Sexual Maturity) - CO seasonal campaigns 66 Fish fauna monitoring (visual census and scientific fishing - species identification; Abundance; Size; Gender and Sexual Maturity) - CO seasonal campaigns 66 Fish fauna monitoring - REPORTING CO results - IGI Poseidon to authority 67 Fish fauna monitoring - REPORTING CO results - IGI Poseidon to authority 68 Marine Mammals and Sea Turtles (P0012454-145, Rev.3 November 2020 - Section 6.6) 69 Presence of Monk seal (realtime/near realtime w. Phototrap at two closest caves) - AC campaign 70 Presence of Monk seal monitoring - REPORTING AO results - IGI Poseidon to authority 71 Presence of Monk seal monitoring - REPORTING CO results - IGI Poseidon to authority		
72 Presence of Monk seal monitoring - REPORTING CO results - IGI Poseidon to authority 73 MMO and PAM monitoring - CO 74 MMO and PAM monitoring - REPORTING CO results - IGI Poseidon to authority 75 Liason with stranding network - CO 76 Liason with stranding network - REPORTING CO results - IGI Poseidon to authority		1 di 5

										oraggio Ambienta ovembre 2020	ale																
ID Attività	dic gen feb	marl apr Ima	2021 a aiu Iua aa	o set ott nov	dic gen feb r	narl aprimadi	2022 aiu lua ado	set ott in	ov dic aer	n feb mar a	pr Imaal ai	2023 iu lug ag	io set ott	nov dic	aen feb	marl apr Imag	2024	set ott no	dic gen feb	mar apr ma	2025 a aiu lua ad	ao set ott	nov dic gen	feb mar api	202 r mag giu	26 lug ago set	ott nov dic
T7 Underwater Noise (P0012454-1-H5, Rev.3 November 2020 - Section 6.7) Acoustic Environment at closest cave (AO 1 campaign w. Fixed system) AO at closest cave - 1 month within indicated period					0																		1.1 901				
79 Acoustic environment offshore yard area (AO 1 spot survey)										•																	
Acoustic Environment at closest cave and Acoustic environment offshore yard area - REPORTING AO results - IGI Poseidon to authority Acoustic Environment at closest cave - CO (one spot survey during most significant phase - pullback)																											
Acoustic Environment at offshore yard area - CO (one spot survey during most significant phase - pullback) Acoustic Environment at closest cave and Acoustic environment offshore yard area - REPORTING CO results - IGI Poseidon tr										•																	
authority Air Quality (P0012454-1-H5, Rev.3 November 2020 - Section 7.1)																											
85 Air quality monitoring - REPORTING AO results - IGI Poseidon to authority 86 Mobile air quality/meteo monitoring stations (CO 8 monitoring weeks/year)- CO (2-4 campaign/year considering actual																											
duration of construction activities in the indicated period) Passive samplers (CO 8 monitoring weeks/year)- CO (2-4 campaign/year considering actual duration of construction activities the indicated period)	in																										
88 Air quality monitoring - REPORTING CO results - IGI Poseidon to authority 89 Air quality monitoring - REPORTING CO results - IGI Poseidon to authority					•		•																				
90 Air quality monitoring - REPORTING CO results - IGI Poseidon to authority 91 Air quality monitoring - REPORTING CO results - IGI Poseidon to authority 92 Air quality monitoring - REPORTING CO results - IGI Poseidon to authority										•		•															
93 Natural gas monitoring (PO - Operation phase, 2 campaign/year - Prescription A43) and REPORTING																	•	-									
94 Groundwater (P0012454-1-H5, Rev.3 November 2020 - Section 7.3); Groundwater Monitoring Plan (P0012454-1-H7 Rev 2 Ma 2019 - A6)	rch																										
95 Groundwater monitoring - Otranto Station area 96 Soil blank Otranto Station (AO) - P10 97 Level monitoring Otranto Station area (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)																											
A011 (in the indicated period) Set used to a set of the requery quarterly/monthly for at least 4 month before start of activities). Level monitoring Ottanto Station area (AO - Frequency: quarterly/monthly for at least 4 month before start of activities).																											
A012 (in the indicated period) 99 Level monitoring Otranto Station area (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)																											
A013 (in the indicated period) 100 Level monitoring Otranto Station area (AO - Frequency: quarterly/monthly for at least 4 month before start of activities) C014 (in the indicated period)																											
A014 (in the indicated period) Level monitoring Otranto Station area (AO - Frequency: quarterly/monthly for at least 4 month before start of activities) A015 (in the indicated period)																											
102 Quality monitoring Otranto Station area (AO - Frequency: wet and dry season) - AO Wet Period 3 (in the indicated period																											
103 Level and Quality monitoring Otranto Station - REPORTING AO results - IGI Poseidon to authority 104 Level and Quality monitoring Otranto Station - REPORTING AO results - IGI Poseidon to authority			•																								
105 Level monitoring Otranto Station area (CO monthly) - CO1 (in the indicated period) 106 Level monitoring Otranto Station area (CO monthly) - CO2 (in the indicated period) 107 Level monitoring Otranto Station area (CO monthly) - CO3 (in the indicated period)																											
107 Level monitoring Otranto Station area (C0 monthly) - C03 (in the indicated period) 108 Level monitoring Otranto Station area (C0 monthly) - C04 (in the indicated period) 109 Level monitoring Otranto Station area (C0 monthly) - C05 (in the indicated period)																											
110 Level monitoring Otranto Station area (CO monthly) - CO6 (in the indicated period)																											
111 Level monitoring Otranto Station area (CO monthly) - CO7 (in the indicated period) 112 Level monitoring Otranto Station area (CO monthly) - CO8 (in the indicated period) 113 Level monitoring Otranto Station area (CO monthly) - CO8 (in the indicated period)																											
114 Level monitoring Otranto Station area (CO monthly) - C10 (in the indicated period) 115 Level monitoring Otranto Station area (CO monthly) - C11 (in the indicated period)																											
116 Level monitoring Otranto Station area (CO monthly) - C12 (in the indicated period) 117 Level monitoring Otranto Station area (CO monthly) - C13 (in the indicated period)																											
118 Level monitoring Otranto Station area (CO monthly) - C14 (in the indicated period) 119 Level monitoring Otranto Station area (CO monthly) - C15 (in the indicated period) 120 Level monitoring Otranto Station area (CO monthly) - C15 (in the indicated period)																											
120 Level monitoring Otranto Station area (CO monthly) - C18 (in the indicated period) 121 Level monitoring Otranto Station area (CO monthly) - C17 (in the indicated period) 122 Level monitoring Otranto Station area (CO monthly) - C18 (in the indicated period)																											
123 Quality monitoring Otranto Station area (CO frequency quarterly) - CO1 (in the indicated period) 124 Quality monitoring Otranto Station area (CO frequency quarterly) - CO1 (in the indicated period)																											
125 Quality monitoring Otranto Station area (CO frequency quarterly) - CO3 (in the indicated period) 126 Quality monitoring Otranto Station area (CO frequency quarterly) - CO4 (in the indicated period)																											
127 Quality monitoring Otranto Station area (CO frequency quarterly) - COS (in the indicated period) 128 Quality monitoring Otranto Station area (CO frequency quarterly) - CO6 (in the indicated period)																											
129 Level and Quality monitoring Otranto Station - REPORTING CO results - IGI Poseidon to authority 130 Level and Quality monitoring Otranto Station - REPORTING CO results - IGI Poseidon to authority 131 Level and Quality monitoring Otranto Station - REPORTING CO results - IGI Poseidon to authority							•																				
131 Level and Quality monitoring Otranto Station - REPORTING CO results - IGI Poseidon to authority 132 Level and Quality monitoring Otranto Station area (PO quarterly until 2 years after start operations) and REPORTING																											
133 Groundwater monitoring - HDD onshore area 134 Soil blank HDD (AO)		-																									
135 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO1 (in the indicated period)																											
136 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO2 (in the indicated period) 137 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO3 (in the Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO3 (in the least 4 month before start 4 month before start 4 month before start 4 month before start 4 month 4 mont																											
137 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO3 (in the indicated period) 138 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the level monthly for at least 4 month befo																											
Indicated period) 139 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO5 (in the																											
indicated period) 140 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO6 (in the																											
indicated period) 141 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO7 (in the indicated period)																											
142 Level monitoring HDD (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO8 (in the indicated period)																											
143 Quality monitoring HDD (AO - Frequency: wet and dry season) - AO Dry period 1 in the indicated period 144 Quality monitoring HDD (AO - Frequency: wet and dry season) - AO Wet period 1 in the indicated period																											
145 Quality monitoring HDD (AO - Frequency: wet and dry season) - AO Dry period 2 in the indicated period 146 Level and Quality monitoring HDD - REPORTING AO results - IGI Possidon to authority																											
147 Level monitoring HDD (C0 monthly)- C01 (in the indicated period) 148 Level monitoring HDD (C0 monthly)- C02 (in the indicated period) 149 Level monitoring HDD (C0 monthly)- C02 (in the indicated period)																											
149 Level monitoring HDD (CO monthly)- CO3 (in the indicated period) 150 Level monitoring HDD (CO monthly)- CO4 (in the indicated period) 151 Level monitoring HDD (CO monthly)- CO5 (in the indicated period)																											
151 Level monitoring HDD (CO monthly)- COS (in the indicated period) 152 Level monitoring HDD (CO monthly)- COG (in the indicated period) 153 Level monitoring HDD (CO monthly)- COG (in the indicated period)																											
154 Level monitoring HDD (CO monthly)- CO8 (in the indicated period) 155 Quality monitoring HDD (CO - frequency quarterly) - CO1 in the indicated period																											
156 Quality monitoring HDD (CO - frequency quarterly) - CO2 in the indicated period 157 Quality monitoring HDD (CO - frequency quarterly) - CO3 in the indicated period																											
158 Level and Quality monitoring HDD - REPORTING CO results - IGI Poseidon to authority 159 Level and Quality monitoring HDD P. REPORTING CO results - IGI Poseidon to authority 160 Level and Quality monitoring HDD P. quarterly until years after start operations) and REPORTING										•	•																
160 Level and Quality monitoring HDD (PO quarterly until 2 years after start operations) and REPORTING 161 Groundwater monitoring - onshore pipeline																											
161 Groundwater monitoring: onshore pipeline 162 Soil blank Onshore pipeline (AO) 163 Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO																											
 164 Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO 164 Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO 																											
(in the indicated period) 165 Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO																											
(in the indicated period)																											2
																											2

										ogramma delle	Appendice N Attività di Mon 4-1-H5 Rev.3 –	itoraggio Ambi																		
ID Attiv	à	dic aen feb	marl apr Im	2021 ag giu lug	aqo set o	tt nov dic	 gen feb ma	arl apr Imagl						2023 a aiu lua	aqo set o	tt nov dic	aen feb	marl apr Ima	2024 aal aiu Iua	aqo set o	tt nov dic	gen feb mar a	20 pr maq qiu	025 lug ago set	ott nov	dic gen feb	marl apr Ima	2026 a giu lug ag	o set ott	nov dic aer
166	Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO4 (in the indicated period)																					9				9				
167	Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO5 (in the indicated period)																													
168	Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO6 (in the indicated period)																													
169	Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO7 (in the indicated period)																													
170	Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO8 (in the indicated period)																													
171	Level monitoring Onshore pipeline (AO - Frequency: quarterly/monthly for at least 4 month before start of activities)- AO9 (in the indicated period)																													
172	Quality monitoring Onshore pipeline (AO - Frequency: wet and dry season) -AO Dry period 1 in the indicated period																													
173 174	Quality monitoring Onshore pipeline (AO - Frequency: wet and dry season)- AO Wet period 1 in the indicated period																													
174	Quality monitoring Onshore pipeline (AO - Frequency: wet and dry season)- AO Dry period 2 in the indicated period																													
175	Level and Quality monitoring Onshore pipeline - REPORTING AO results - IGI Poseidon to authority Seasonal groundwater level monitoring (AO P3-P4-P5-P6 - Prescription A4) - Spring Period (in the indicated period)		-																											
177	Seasonal groundwater level monitoring (AO P3-P4-P5-P6 - Prescription A4)- Summer Period (in the indicated period)																													
178	Seasonal groundwater level monitoring (AO P3-P4-P5-P6 - Prescription A4)- Fall Period (in the indicated period)																													
179	Seasonal groundwater level monitoring (AO P3-P4-P5-P6 - Prescription A4)- Winter Period (in the indicated period)																													
180	SPT and disturbed/undisturbed soil sampling and atesting (AO P3-P4-P5-P6 - Prescription A4) - Assumed contemporary to piezometer boring (in the indicated period)																													
181 182	REPORTING GEO/HYDROGEO/GEOTHEC SURVEY (AO Needed for A4) - IGI Poseidon to authority Level monitoring Onshore pipeline (CO monthly)- CO1 (in the indicated period)								•																					
183 184	Level monitoring Onshore pipeline (CO monthly)- CO2 (in the indicated period) Level monitoring Onshore pipeline (CO monthly)- CO2 (in the indicated period) Level monitoring Onshore pipeline (CO monthly)- CO3 (in the indicated period)																													
185 186	Level monitoring Onshore pipeline (CO monthly)- COS (in the indicated period) Level monitoring Onshore pipeline (CO monthly)- COS (in the indicated period) Level monitoring Onshore pipeline (CO monthly)- COS (in the indicated period)																													
187	Level monitoring Onshore pipeline (CO monthly)- COS (in the indicated period) Level monitoring Onshore pipeline (CO monthly)- COS (in the indicated period) Level monitoring Onshore pipeline (CO monthly)- CO7 (in the indicated period)																													
188 189 190	Level monitoring Onshore pipeline (CO monthy)- CO2 (in the indicated period) Level monitoring Onshore pipeline (CO monthy)- CO8 (in the indicated period) Quality monitoring Onshore pipeline (CO frequency quarterly) - CO1 in the indicated period																													
190 191 192	Quality monitoring Onshore pipeline (CO frequency quarterly) - CO2 in the indicated period										-																			
192 193 194	Quality monitoring Onshore pipeline (CO frequency quarterly) - CO3 in the indicated period Level and Quality monitoring Onshore pipeline - REPORTING CO results - IGI Poseidon to authority											•																		
195	Level and Quality monitoring Onshore pipeline - REPORTING CO results - IGI Poseidon to authority Level and Quality monitoring Onshore pipeline (PO - frequency quarterly until 2 years after start operations) and REPORTING																													
196 So	(P0012454-1-H5, Rev.3 November 2020 - Section 7.4); Soil Characterization (P0012454-1-H6 Rev 1 March 2019 - A10a)																													
197 198	Soil monitoring - Otranto Station area Soil monitoring and characterization Otranto station (AO monitoring and characterization prescription A10a)																													
198 199 200	REPORTING Soil characterization Otranto station - IGI Poseidon to authority	•																												
200	Topsoil monitoring Otranto station (AO - 1 campaign - assumed contemporary to characterization) in the indicated period Soil compaction monitoring Otranto station (AO 1 campaign - assumed contemporary to characterization) in the indicated																													
	period Toposil and soil compaction monitoring Otranto Station - REPORTING AO results - IGI Poseidon to authority	•																												
202 203 204	Soil monitoring Otranto station - CO periodic verification during the indicated period Topsoil monitoring Otranto station - CO periodic verification during the indicated period																													
204 205 206	Soil and Toposil monitoring Otranto Station - REPORTING CO results - IGI Poseidon to authority Soil and Toposil monitoring Otranto Station - REPORTING CO results - IGI Poseidon to authority								•																					
200	Soil and Toposition of the station - KEPOKING CO results - for Posedon to automity Soil monitoring Otranto station - CO (precommissioning phase) periodic verification during the indicated period																													
208	Topsoil monitoring Otranto station - CO (precommissioning phase) periodic verification during the indicated period																													
209 210	Soil compaction monitoring Otranto station (CO 1 campaign prior to reinstatement - temporary yard only) Soil and topsoil monitoring Otranto Station - REPORTING CO results (precommissioning phase) - IGI Poseidon to authority																	-	•											
210	Soil compaction monitoring Otranto Station - temporary yard - REPORTING CO results - IGI Poseidon to autority																	•												
212	Soil monitoring (PO 1 campaign temporary yard area only), Toposil monitoring (PO 1 campaign upon end works + 1																													
213	campaign/year for five years in temporary yard area only) and REPORTING Soil monitoring - HDD area																													
214 215	Soil monitoring and characterization HDD (AO monitoring and characterization prescription A10a) REPORTING Soil characterization HDD area (included in Excavated materials Reuse Plan - A10a) - IGI Poseidon to authority							•																						
216	Topsoil monitoring HDD area (AO - 1 campaign - assumed contemporary to characterization) in the indicated period																													
217	Soil compaction monitoring HDD area (AO 1 campaign - assumed contemporary to characterization) in the indicated period	-																												
218	Toposil and soil compaction monitoring HDD area - REPORTING AO results - IGI Poseidon to authority							•																						
219 220	Soil monitoring HDD area - CO periodic verification during the indicated period Topsoil monitoring HDD area - CO periodic verification during the indicated period																													
221	Soil compaction monitoring HDD area - CO 1 campaign prior to yard area reinstatement during the indicated period																													
222 223	Soil and topsoil monitoring HDD area - REPORTING CO results IGI Poseidon to authority Soil compaction monitoring HDD area - REPORTING CO results - IGI Poseidon to authority												•	•																
224	Soil monitoring (PO 1 campaign after end works), Toposil monitoring (PO 1 campaign upon end works + 1 campaign/year for five years after end works) HDD and REPORTING																													
225 226	Soil monitoring - onshore pipeline Soil monitoring and characterization onshore Pipeline (AO monitoring and characterization prescription A10a)																													
227	REPORTING Soil characterization onshore pipeline (Included in Excavated materials Reuse Plan - A10a) - IGI Poseidon to authority								•																					
228	Topsoil monitoring onshore pipeline (AO - 1 campaign - assumed contemporary to characterization) in the indicated period																													
229	Soil compaction monitoring onshore pipeline (AO 1 campaign - assumed contemporary to characterization) in the indicated period																													
230 231	Topsoil and soil compaction monitoring onshore pipeline - REPORTING AO results - IGI Poseidon to authority Soil monitoring onshore pipeline - CO periodic verification during the indicated period Target and the soft of the								- I																					
232 233	Topsoil monitoring onshore pipeline - CO periodic verification during the indicated period Soil compaction monitoring onshore pipeline- CO 1 campaign prior to yard area reinstatement during the indicated period																													
234	Soil and topsoil monitoring onshore pipeline - REPORTING CO results IGI Poseidon to authority													•																
235 236	Soil compaction monitoring onshore pipeline - REPORTING CO results - IGI Poseidon to authority Soil monitoring onshore pipeline (PO 1 campaign after end works), Topsoil monitoring (PO 1 campaign upon end works + 1												-																	
	campaign/year for five years after end works) and REPORTING se and vibrations (P0012454-1-H5, Rev.3 November 2020 - Section 7.5)																													
239	Noise and vibrations monitoring - Otranto Station Noise/vibration monitoring Otranto station - AO2																													
240 241	Noise/vibration monitoring Otranto station - REPORTING AO2 results - IGI Poseidon to authority Noise/vibration monitoring Otranto station - CO 1 Campaign in the most significant phase + non acoustic verification (to be																													
242	defined according to detailed construction schedule in the indicated period) Noise/vibration monitoring Otranto station - REPORTING CO results - IGI Poseidon to authority											•																		
243	Noise/vibration monitoring Otranto station (PO - MR09-10-11) - 1 campaign during commissioning activities + 1 campaign during normal operation in the indicated period and REPORTING																													
244 245	Noise and vibrations monitoring - HDD area Noise/vibration monitoring HDD area - AO																													
																														3 di 5

													Cr		nma delle A		N onitoraggio A – Novembre																									
ID 246	Attività Noise/vibration monitoring HDD area - REPORTING AO results - IGI Poseidon to authority	dic	gen feb	mar a	pr mag	2021 giu lu	ig ago	set ott	nov dic	gen f	eb mar	apr mag	2022 giu lug		et ott i	nov dic		mar apr	2 mag giu	023 lug ag	go set c	ott nov	dic gen	feb ma	ar apr ma	2024 ag giu li	ug ago	set ott	nov dic	gen fet	mar ap	r mag gi	2025 iu lug ag	go set o	tt nov die	lic gen feb	o mar apr	20 mag giu	2026 1 lug ago	<u>set o</u>	tt nov c	lic gei
240 247 248	Noise/vibration monitoring HDD area - CO 1 Campaign in the most significant phase-area preparation/drilling + non acoustic verification in the indicated period	c										-																														
248 249 250 251	Noise/vibration monitoring HDD area - REFORTING CO results - IGI Poseidon to authority Noise and vibrations monitoring - onshore pipeline Noise/vibration monitoring onshore pipeline - AO																																									
251 252	Noise/vibration monitoring onshore pipeline - REPORTING AO results - IGI Poseidon to authority Noise/vibration monitoring onshore pipeline - CO 1 Campaign escavation/pipelay+ non acoustic verification in the indicated period												•			-																										
253 254 255	Noise/vibration monitoring onshore pipeline - REPORTING CO results - IGI Poseidon to authority Noise monitoring precommissioning phase Noise monitoring precommissioning phase - CO MR09-10-11 + non acoustic verification in the indicated period																		•																							
256	Noise monitoring precommissioning phasee - REPORTING CO results - IGI Poseidon to authority																										•															
257 258 259	Terrestrial vegetation, flora and fauna (P0012454-145, Rev.3 November 2020 - Section 7.6) Terrestrial vegetation, flora and fauna - AO monitoring and REPORTING Sensitive birdfauna nesting in project area - Otranto Station area - AO campaign verification every 10 days in the indicated																																									
260 261	period Terrestrial vegetation, flora and fauna - REPORTING AO results - IGI Poseidon to authority Terrestrial vegetation, flora and fauna - CO monitoring and REPORTING	•																																								
262 263	Wintering birds - CO 7 surveys/year - CO 8-9-10-11-12-13-14 in the indicated period Wintering birds - CO 7 surveys/year - CO 8-9-10-11-12-13-14 in the indicated period																_																									
264 265 266	Wintering birds - CO 7 surveys/year - CO 15-16-17-18-19-20-21 in the indicated period Migrant birds + Birds of prey - CO 17 surveys/year - CO 1-2-3 in the indicated period																																									
267	Migrant birds + Birds of prey - CO 17 surveys/year - CO 4-5-6-7-8 in the indicated period Migrant birds + Birds of prey - CO 17 surveys/year - CO 9-10-11-12-13-14-15-16-17-18-19-20 in the indicated period																																									
268 269	Migrant birds + Birds of prey - CO 17 surveys/year - CO 21-22-23-24-25 in the indicated period Migrant birds + Birds of prey - CO 17 surveys/year - CO 26-27-28-29-30-31-32-33-34-35-36-37 in the indicated period																																									
270 271	Migrant birds + Birds of prey - CO 17 surveys/year - CO 38-39-40-41-42 in the indicated period Migrant birds + Birds of prey - CO 17 surveys/year - CO 43-44-45-46-47-48-49-50 in the indicated period																																									
272 273	Nesting birds + Albanella minore - CO 10 surveys/year - CO 1-2-3 in the indicated period Nesting birds + Albanella minore - CO 10 surveys/year - CO 4-5-6-7-8-9-10-11-12-13 in the indicated period																																									
274	Nesting birds + Albanella minore - C0 10 surveys/year - C0 14-15-16-17-18-19-20-21-22-23 in the indicated period																							_																		
275 276	Nesting birds + Albanella minore - CO 10 surveys/year - CO 24-25-26-27-28-29 in the indicated period Sensitive birdfauna nesting in project area AO/CO verification every 10 days in the period April-July - in case of construction activities interferring with reproductive period only (incl. Before and during activities)																																									
277	Sensitive birdfauna nesting in project area CO verification every 10 days in the period April-July for ongoing construction activities																																									
278 279	Sensitive birdfauna nesting in project area CO verification every 10 days in the period April-July for ongoing construction activities Sensitive birdfauna nesting in project area CO verification every 10 days in the period April-July for ongoing construction																																									
280 281	activities Reptiles and Amphibia - CO 4 surveys/year - CO 1-2-3-4 in the indicated period Reptiles and Amphibia - CO 4 surveys/year - CO 5-6-7-8 in the indicated period											-																														
282 283	Reptiles and Amphibia - CO 4 surveys/year - CO 9-00-7-0 in the indicated period Reptiles and Amphibia - CO 4 surveys/year - CO 9-10-11-12 in the indicated period Land mammals - CO 4 surveys/year - CO 1 in the indicated period																																									
284 285	Land mammals - CO 4 surveys/year - CO 2 in the indicated period Land mammals - CO 4 surveys/year - CO 3 in the indicated period											_																														
286 287 288	Land mammals - CO 4 surveys/year - CO 4 in the indicated period Land mammals - CO 4 surveys/year - CO 5 in the indicated period Land mammals - CO 4 surveys/year - CO 6 in the indicated period																																									
289 290	Land mammals - CO 4 surveys/year - CO 7 in the indicated period Land mammals - CO 4 surveys/year - CO 8 in the indicated period																																									
291 292 293	Land mammals - CO 4 surveys/year - CO 9 in the indicated period Land mammals - CO 4 surveys/year - CO 10 in the indicated period Land mammals - CO 4 surveys/year - CO 11 in the indicated period	_																																								***
294 295	Land mammals - CO 4 surveys/year - CO 12 in the indicated period Bats - CO 3 surveys/year - CO 1 in the indicated period																																									
296 297 298	Bats - CO 3 surveys/year - CO 2 in the indicated period Bats - CO 3 surveys/year - CO 3 in the indicated period Bats - CO 3 surveys/year - CO 4 in the indicated period																																									
299 299 300	Bats - CO 3 surveys/year - CO 4 in the indicated period Bats - CO 3 surveys/year - CO 5 in the indicated period Bats - CO 3 surveys/year - CO 6 in the indicated period																																									
301 302	Bats - CO 3 surveys/year - CO 7 in the indicated period Bats - CO 3 surveys/year - CO 8 in the indicated period																																									
303 304 305	Bats - CO 3 surveys/year - CO 9 in the indicated period Vegetation - CO 2 surveys/year - CO 1 in the indicated period Vegetation - CO 2 surveys/year - CO 2 in the indicated period																																									
306 307	Vegetation - CO 2 surveys/year - CO 3 in the indicated period Vegetation - CO 2 surveys/year - CO 4 in the indicated period																																									
308 309 310	Vegetation - CO 2 surveys/year - CO 5 in the indicated period Vegetation - CO 2 surveys/year - CO 6 in the indicated period Soil storage for areas to be reinstated- CO 4 surveys/year - CO 1-2-3-4 in the indicated period																																									
311 312	Soil storage for areas to be reinstated - CO 4 surveys/year - CO 5-6-7-8 in the indicated period Soil storage for areas to be reinstated - CO 4 surveys/year - CO 9-10-11-12 in the indicated period																																									
313 314 315	Terrestrial vegetation, flora and fauna - REPORTING CO results - IGI Poseidon to authority Terrestrial vegetation, flora and fauna - REPORTING CO results - IGI Poseidon to authority Terrestrial vegetation, flora and fauna - REPORTING CO results - IGI Poseidon to authority																			•																						
316 317	Terrestrial vegetation, flora and fauna - PO monitoring and REPORTING Wintering Birds (PO 7 surveys/year for 3 years)																																									
318 319 320	Migrant birds + Birds of prey (PO 17 surveys/year for 3 years) Nesting birds + Albanelia minore (PO 10 surveys/year for 3 years) Reptiles and Amphibia (PO 4 surveys/year for 3 years)																																									
320 321 322	Land mammals (PO 4 surveys/year for 3 years) Bats (PO 3 surveys/year for 3 years)																									1 1	1 1	1 1	1	1 1	1 1	1 1	1 1	1 1	1 1		1 1	1 1	1 1	1 1	1 1	1
323 324	Vegetation (PO 2 surveys/year for 3 years) Verification of rooting of restored Thero-brachypodieta and reinstated areas (PO 1 survey/year for 5 years after end works)																																									
325 326	Corine Biotopes monitoring (PO 1 campaign at the end of third year after work completion) PO YEARLY REPORTING																																								_	
327 328 329	Waste (P0012454-1-H5, Rev.3 November 2020 - Section 7.7) Waste monitoring- Otranto station Waste monitoring - Otranto station - CO Periodic verification and monthly waste recording in the indicated period																																									
330	Waste monitoring - Otranto station - REPORTING CO results - IGI Poseidon to authority																																									
331 332 333	Waste monitoring- Otranto station - REPORTING CO results - IGI Poseidon to authority Waste monitoring - Otranto station - REPORTING CO results - IGI Poseidon to authority Waste monitoring - Otranto station - (PO verification of reinstatment of temporary waste storage areas upon end works and													•			•																									
334	quarterly waste reporting during Otranto station operation) and REPORTING Waste monitoring - precommissioning phase																																									
335 336	Waste monitoring - precommissioning phase - CO Precommissioning - Periodic verification and monthly waste recording in the indicated period Waste monitoring - precommissioning phase - REPORTING CO results - IGI Poseidon to authority																										•															
337	Waste monitoring - precommissioning phase - (PO verification of reinstatment of temporary waste storage areas upon end works) and REPORTING																																									
338 339 340	Waste monitoring - HDD area + onshore pipeline Identification of disposal facilities and logistics - HDD+Pipeline - AO Identification of disposal facilities and logistics - HDD+Pipeline - REDRETING AO results - IGL Paraidea to authority										-																															
340 341	Identification of disposal facilities and logistics - HDD+Pipeline - REPORTING AO results - IGI Poseidon to authority HDD+Pipeline - CO Periodic verification and monthly waste recording in the indicated period																																									
		· · · ·								'					1											i							1									4 di 5

												Cro		mma delle	Appendic e Attività di 54-1-H5 Rev	Monitoragg		ale																										
ID					20	21						2022							2023							20	24						20	025						202	6			
At	<i>vità</i>	dic ge	n feb m	iar apr n	mag giu	lug ago	set ot	t nov dic	gen fe	b mar a	pr mag	giu lug	a ago s	set ott	nov die	gen fel	b mar a	pr mag	giu lug	g ago	set ott	nov di	ic gen	feb ma	r apr m	nag giu	lug ag	o set c	ott nov	dic ger	feb m	ar apr i	mag giu	lug ag	o set o	ott nov	dic gen	feb mai	r apr ma	ag giu I	lug ago	set o	nov dic c	ger
342	HDD+Pipeline - REPORTING CO results - IGI Poseidon to authority				-												•						-																					
343	HDD + pipeline - REPORTING CO results - IGI Poseidon to authority																		•																									
344	HDD+Pipeline - (PO verification of reinstatment of temporary waste storage areas upon end work) and REPORTING																																											
345	andscape (P0012454-1-H5, Rev.3 November 2020 - Section 7.8)																																											
346	Landscape monitoring - Otranto Station																																											
347	State of places, census of landscape elements - Otranto station - AO 2 (Integrative monitoring) in the indicated period																																											
348	State of places, census of landscape elements - AO2 Otranto station - IGI Poseidon to authority		•																																									
349	Verification of yard area extension - Otranto station - CO (Upon start works)																																											
350	Verification of yard area extension - Otranto station - REPORTING CO (Upon start works) results - IGI Poseidon to authority																																											
351	State of places and verification of yard area - Otranto station - CO Periodic verification in the indicated period					-			1	1		-	+ +		—																													. 1
352	State of places and verification of yard area - Otranto station - REPORTING CO results - IGI Poseidon to authority									•																																		
353	Otranto station - REPORTING CO + PO1 results - IGI Poseidon to authority																•																											
354	Verification of yard area extension - Otranto station - CO Pre-commissioning (upon start phase)																																											
355	State of places and verification of yard area - Otranto station - CO Pre-commissioning - Periodic verification in the indicated period																																											
356	State of places, verification of reinstatement - Otranto station temporary yard only - precommissioning activities- (PO 1																																											_
356	campaign after end works+1 campaign after 1 year operations + 1 campaign after 3 years operations)																																											
357	Otranto station - REPORTING CO + PO1 (precommissioning) results - IGI Poseidon to authority	1																									•	•																
358	State of places and verification of landscape mitigation - Otranto station - (PO 1 campaign after end works+1 campaign after	1																			-			-		-						-									-		<u>+ + +</u>	-
	1 year operations + 1 campaign after 3 years operations) and REPORTING																																											
359	Landscape monitoring - HDD area																																											
360	State of places, census of landscape elements HDD - AO																																											
361	State of places, census of landscape elements HDD - REPORTING AO results - IGI Poseidon to authority										•																																	
362	Verification of yard area extension - HDD - CO (Upon start works)																																											
363	Verification of yard area extension - HDD- REPORTING CO (Upon start works) results - IGI Poseidon to authority														•																													
364	State of places and verification of yard area - HDD - CO Periodic verification in the indicated period													-	1 1																													
365	HDD - REPORTING CO + PO1 results -IGI Poseidon to authority																		•																									
366	State of places, verification of reisntatement - HDD- (PO 1 campaign after end works+1 campaign after 1 year operations + 1																			1 1	1	1 1		1	1 1	1		1 1		1	1 1						1		1 1		1			_
367	campaign after 3 years operation) and REPORTING																																											
367	Landscape monitoring - onshore pipeline																																											
368	State of places, census of landscape elements - Onshore Pipeline - AO									-		<u> </u>																																
	State of places, census of landscape elements- Onshore Pipeline - REPORTING AO results - IGI Poseidon to authority																																											
370	Verification of yard area extension - Onshore Pipeline - CO (Upon start works)																																											
371	Verification of yard area extension - Onshore Pipeline - REPORTING CO (Upon start works) results - IGI Poseidon to authority																																											
372	State of places, verification of yard area and drywall storage - Onshore Pipeline - CO Periodic verification in the indicated period																																											
373	Onshore Pipeline - REPORTING CO + PO1 results - IGI Poseidon to authority																		•	•																								
374	State of places and verification of reinstatement - (PO 1 campaign after end works incl. drywall +1 campaign after 1 year																	-			1			-	1 1	-					1 1			1 1	1 1		1		1 1		-			_
	operations + 1 campaign after 3 years operations) and REPORTING																																											_