

## **Appendix D. List of waste and quantities of generated waste**

**1. List of waste and estimated quantities of waste generated  
during the construction/drilling period**

| Waste name   | Waste type                   | Waste code | UM        | Estimated quantity | Physical condition | Method for storage                            | Recovery/disposal operation according to GEO 92/2021     |
|--|------------------------------|------------|-----------|--------------------|--------------------|---|--|
| <b>A. Waste generated in the construction activity at sea</b>                        |                              |            |           |                    |                    |   |  |
| Waste from sewer cleaning  | Used water for ship cleaning | 20 03 06   | mc        | 21,600             | liquid             | Basin   | Transported to the shore, to a treatment plant           |
| Waste paints and varnishes containing organic solvents or other hazardous substances | Paint residue                | 08 01 11*  | tons      | 0.5                | solid              | Metal container                               | D9 disposal by authorized economic operators             |
| Non-chlorinated mineral motor, transmission and lubricating oils                     | Used oil                     | 13 02 05*  | mc/year   | 0.5                | liquid             | Sealed metal container                        | R12 capitalization through authorized economic operators |
| Aqueous liquid waste containing hazardous substances                                 | Oily water                   | 16 10 01*  | mc        | 1.0                | liquid             | Metal container                               | D9 disposal by authorized economic operators             |
| Mixed municipal waste  | Household waste              | 20 03 01*  | tons      | 54.0               | solid              | Collected in big bags and in metal containers | D9 disposal by sanitation operators                      |
| Wooden packaging   | Wooden packaging             | 15 01 03   | tons      | 10.0               | solid              | Metal container                               | R12 capitalization through authorized economic operators |
| Other waste containing hazardous substances (cement)                                 | Bulk cement                  | 11 01 98*  | tons      | 15.0               | solid              | Collected in big bags and in metal containers | D5 disposal by authorized economic operators             |
| Ferrous metals   | Ferrous materials            | 16 01 17   | tons/year | 5.0                | solid              | Metal container                               | R12 capitalization through authorized economic operators |
| Non-ferrous metals   | Non-ferrous materials        | 16 01 18   | tons/year | 3.0                | solid              | Metal container                               | R12 capitalization through authorized economic operators |
| Plastic materials  | Plastic materials            | 16 01 19   | tons/year | 3.0                | solid              | Metal container                               | D9 disposal by authorized economic operators             |

| Waste name   | Waste type  | Waste code | UM        | Estimated quantity | Physical condition | Method for storage  | Recovery/disposal operation according to GEO 92/2021              |
|--|---|------------|-----------|--------------------|--------------------|---|---|
| Ferrous metals   | Superstructure support frame  | 16 01 17   | tons      | 600.0              | solid              | Metal container   | R12 capitalization through authorized economic operators          |
| Ferrous metals   | Jacket frame  | 16 01 17   | tons      | 600.0              | solid              | Metal container   | R12 capitalization through authorized economic operators          |
| Ferrous metals   | Auxiliary installation of jacket and Superstructure, grilles, slings, protective bars | 16 01 17   | tons      | 200.0              | solid              | Metal container   | R12 capitalization through authorized economic operators          |
| Ferrous metals   | Piles, caissons   | 16 01 17   | tons      | 20.0               | solid              | Metal container   | R12 capitalization through authorized economic operators          |
| Ferrous metals   | Auxiliary installation of underwater equipment grids, slings, guides, protective bars | 16 01 17   | tons      | 500.0              | solid              | Metal container   | R12 capitalization through authorized economic operators          |
| batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries | battery   | 20 01 33*  | tons/year | 0.1                | solid              | Metal container   | D9 disposal by sanitation operators                               |
| Earth and stones other than those specified in 17 05 03  | Marine sediments excavated during the construction of the outlet                      | 17 05 04   | tons      | 40,950.0           | solid              | Stored on the bottom of the sea and fully reused when filling the manhole and | Used for filling the chimney and trench after installing the pipe |

| Waste name   | Waste type  | Waste code | UM        | Estimated quantity | Physical condition | Method for storage                              | Recovery/disposal operation according to GEO 92/2021      |
|--|---|------------|-----------|--------------------|--------------------|---|---|
|  | channel and transition trench   |            |           |                    |                    | trench after the installation of the pipeline   |   |
| Paper and cardboard packaging  | Paper and cardboard   | 15 01 01   | tons      | 10.0               | solid              | Metal container                                 | R12 capitalization through authorized economic operators  |
| Aqueous liquid waste containing hazardous substances                                     | Well start-up fluid consisting of a mixture of water with methanol, corrosion inhibitor, scale inhibitor, TEG | 16 10 01*  | mc        | 3500               | liquid             | Metal pools                                     | Transported to the shore, to a treatment plant            |
| waste whose collection and disposal are subject to special infection prevention measures | Medical waste   | 18 01 03*  | tons/year | 0.02               | solid              | Special containers for collecting medical waste | D10 disposal disposed of by authorized economic operators |
| <b>B. Waste generated in the construction activity on land</b>                           |   |            |           |                    |                    |   |   |
| Waste from sewer cleaning  | Household waste water SRM site organization   | 20 03 06   | mc        | 1400               | liquid             | Basin   | Transported to a sewage treatment plant                   |
| Waste from sewer cleaning  | Household waste water organization of the tunnel construction site  | 20 03 06   | mc        | 192                | liquid             | Basin   | Transported to a sewage treatment plant                   |
| Freshwater-based drilling muds and wastes  | Drilling mud from the installation of launch piles  | 01 05 04   | mc        | 200.0              | liquid             | Metal pools                                     | Transported to a sewage treatment plant                   |

| Waste name   | Waste type   | Waste code | UM   | Estimated quantity | Physical condition | Method for storage                            | Recovery/disposal operation according to GEO 92/2021     |
|--|--|------------|------|--------------------|--------------------|---|--|
| Freshwater-based drilling muds and wastes                | Drilling mud from the execution of the tunnel                                    | 01 05 04   | mc   | 3140.0             | liquid             | Metal pools                                   | Transported to a sewage treatment plant                  |
| Technological water used from the flooding of the tunnel | -  | -          | mc   | 3250.0             |                    | Metal pools                                   | Transported to a sewage treatment plant                  |
| Aqueous liquid waste containing hazardous substances     | Fluids hydrotesting the production pipeline                                      | 16 10 01*  | mc   | 980.0              | liquid             | Metal pools                                   | Transported to a sewage treatment plant                  |
| Aqueous liquid waste containing hazardous substances     | SRM pipeline hydrotesting fluids   | 16 10 01*  | mc   | 80.0               | liquid             | Metal pools                                   | Transported to a sewage treatment plant                  |
| Aqueous liquid waste containing hazardous substances     | Water from the drainage system   | 16 10 01*  | mc   | 10.0               | liquid             | Metal pools                                   | Transported to a sewage treatment plant                  |
| Mixed municipal waste                                    | Household waste  | 20 03 01*  | tons | 17.5               | solid              | Collected in big bags and in metal containers | D9 disposal by sanitation operators                      |
| Earth and stones other than those specified in 17 05 03  | Excavated soil launch pit (depth version) (excavation and installation of piles) | 17 05 04   | mc   | 3,270.0            | solid              | Bulk storage                                  | D5 disposal by authorized economic operators             |
| Earth and stones other than those specified in 17 05 03  | Soil excavated during the construction of the tunnel                             | 17 05 04   | mc   | 4,500.0            | solid              | Bulk storage                                  | D5 disposal by authorized economic operators             |
| Wooden packaging   | Wooden packaging   | 15 01 03   | tons | 10.0               | solid              | Metal container                               | R12 capitalization through authorized economic operators |

| Waste name   | Waste type          | Waste code | UM   | Estimated quantity | Physical condition | Method for storage | Recovery/disposal operation according to GEO 92/2021     |
|--|---------------------|------------|------|--------------------|--------------------|--------------------|--|
| Paper and cardboard packaging  | Paper and cardboard | 15 01 01   | tons | 10.0               | solid              | Metal container    | R12 capitalization through authorized economic operators |
| Ferrous metals   | Ferrous metal waste | 16 01 17   | tons | 5.0                | solid              | Metal container    | R12 capitalization through authorized economic operators |
| Plastic materials  | Plastic waste       | 16 01 19   | tons | 3.0                | solid              | Metal container    | D9 disposal by authorized economic operators             |
| batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries | battery             | 20 01 33*  | tons | 0.1                | solid              | Metal container    | D9 disposal by sanitation operators                      |
| Waste paints and varnishes containing organic solvents or other hazardous substances   | Paint residue       | 08 01 11*  | tons | 0.1                | solid              | Metal container    | D9 disposal by authorized economic operators             |

**2. List of waste and estimated quantities of  
waste generated during well drilling**



| Waste name   | Waste type   | Waste code | UM   | Estimated quantity | Physical condition | Method for storage                            | Recovery/disposal operation according to GEO 92/2021                                    |
|--|--|------------|------|--------------------|--------------------|---|---|
| Waste from sewer cleaning                                    | Used water for ship cleaning   | 20 03 06   | mc   | 31040              | liquid             | Basin   | Transported to the shore, to a treatment plant  |
| Freshwater-based drilling muds and wastes                    | Water based drilling fluid   | 01 05 04   | mc   | 72,678             | liquid             | Not stored                                    | It discharges to the bottom of the sea  |
| Mixed municipal waste  | Household waste  | 20 03 01*  | tons | 78.0               | solid              | Collected in big bags and in metal containers | D9 disposal by sanitation operators   |
| Wastes and drilling muds containing oil                      | Detritus   | 01 05 05*  | mc   | 3,989              | solid              | Metal skips                                   | D9 disposal by authorized economic operators  |
| antifreeze liquids other than those specified in 16 01 14    | Glycol -BOP hydraulic control fluid  | 16 01 15   | mc   | 350                | liquid             | Metal container                               | D9 disposal by authorized economic operators  |
| Freshwater-based drilling muds and wastes                    | detritus   | 01 05 04   | mc   | 8,784              | solid              | Not stored                                    | It discharges to the bottom of the sea  |
| aqueous liquid waste, other than those specified in 16 10 01 | residues or liquids resulting from discharges from drainage systems that do not contain hazardous or noxious substances. | 16 10 02   | mc   | 31,300.0           | liquid             | Basin open drainage system                    | It is discharged into the sea after checking the concentration of hydrocarbons < 15 ppm |
| Aqueous liquid waste containing hazardous substances         | Oily water   | 16 10 01*  | mc   | 61,480.0           | liquid             | Pool contaminated water                       | D9 disposal by authorized economic operators  |
| Other waste containing hazardous substances (cement)         | Bulk cement  | 11 01 98*  | tons | 15.0               | solid              | Collected in big bags and in metal containers | D5 disposal by authorized economic operators  |
| Wooden packaging   | Wooden packaging   | 15 01 03   | tons | 10.0               | solid              | Metal container                               | R12 capitalization through authorized economic operators                                |
| Paper and cardboard packaging                                | Paper and cardboard  | 15 01 01   | tons | 10.0               | solid              | Metal container                               | R12 capitalization through authorized economic operators                                |

| Waste name   | Waste type    | Waste code | UM   | Estimated quantity | Physical condition | Method for storage                              | Recovery/disposal operation according to GEO 92/2021      |
|--|---------------|------------|------|--------------------|--------------------|---|---|
| batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries | battery       | 20 01 33*  | tons | 0.1                | solid              | Metal container                                 | D9 disposal by sanitation operators                       |
| Waste paints and varnishes containing organic solvents or other hazardous substances   | Paint residue | 08 01 11*  | tons | 0.5                | solid              | Metal container                                 | D9 disposal by authorized economic operators              |
| waste whose collection and disposal are subject to special infection prevention measures   | Medical waste | 18 01 03*  | tons | 0.02               | solid              | Special containers for collecting medical waste | D10 disposal disposed of by authorized economic operators |

**3. List of waste and estimated quantities of  
waste generated during the operational period**

| Waste name   | Waste type   | Waste code | UM        | Estimated quantity | Physical condition | Method for storage                            | Recovery/disposal operation according to GEO 92/2021                                    |
|--|--|------------|-----------|--------------------|--------------------|---|---|
| <b>A. Waste generated in the construction activity at sea</b>  |  |            |           |                    |                    |   |   |
| Waste from sewer cleaning  | Used water for ship cleaning   | 20 03 06   | mc        | 480                | liquid             | Basin   | Transported to the shore, to a treatment plant  |
| Aqueous liquid waste containing hazardous substances   | Oily water   | 16 10 01*  | mc/year   | 50.0               | liquid             | Metal container                               | Transported to the shore, to a treatment plant  |
| aqueous liquid waste, other than those specified in 16 10 01   | residues or liquids resulting from discharges from drainage systems that do not contain hazardous or noxious substances. | 16 06 02   | mc/year   | 150.0              | liquid             | Basin open drainage system                    | It is discharged into the sea after checking the concentration of hydrocarbons < 15 ppm |
| Mixed municipal waste  | Household waste  | 20 03 01*  | tons/day  | 0.005              | solid              | Collected in big bags and in metal containers | D9 disposal by sanitation operators   |
| batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries | battery  | 20 01 33*  | tons/year | 0.1                | solid              | Metal container                               | D9 disposal by sanitation operators   |
| Waste paints and varnishes containing organic solvents or other hazardous substances   | Paint residue  | 08 01 11*  | tons      | 0.5                | solid              | Metal container                               | D9 disposal by authorized economic operators  |
| Wooden packaging   | Wooden packaging   | 15 01 03   | tons      | 2.0                | solid              | Metal container                               | R12 capitalization through authorized economic operators                                |

| Waste name   | Waste type          | Waste code | UM        | Estimated quantity | Physical condition | Method for storage                              | Recovery/disposal operation according to GEO 92/2021      |
|--|---------------------|------------|-----------|--------------------|--------------------|---|---|
| Paper and cardboard packaging  | Paper and cardboard | 15 01 01   | tons      | 3.0                | solid              | Metal container                                 | R12 capitalization through authorized economic operators  |
| Plastic materials  | Plastic waste       | 16 01 19   | tons      | 2.0                | solid              | Metal container                                 | D9 disposal by authorized economic operators              |
| Metals   | Ferrous metal waste | 20 01 40   | tons      | 10.0               | solid              | Metal container                                 | R12 capitalization through authorized economic operators  |
| Waste whose collection and disposal are subject to special infection prevention measures   | Medical waste       | 18 01 03*  | tons      | 0.005              | solid              | Special containers for collecting medical waste | D10 disposal disposed of by authorized economic operators |
| <b>B. Waste generated in the construction activity on land</b>   |                     |            |           |                    |                    |   |   |
| Aqueous liquid waste containing hazardous substances   | Oily water          | 16 10 01*  | mc/year   | 20.0               | liquid             | Metal container                                 | Transported to the shore, to a treatment plant            |
| waste whose collection and disposal are subject to special infection prevention measures   | Medical waste       | 18 01 03*  | tons      | 0.01               | solid              | Special containers for collecting medical waste | D10 disposal disposed of by authorized economic operators |
| Wooden packaging   | Wooden packaging    | 15 01 03   | tons      | 1.0                | solid              | Metal container                                 | R12 capitalization through authorized economic operators  |
| Paper and cardboard packaging  | Paper and cardboard | 15 01 01   | tons      | 1.0                | solid              | Metal container                                 | R12 capitalization through authorized economic operators  |
| batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries | battery             | 20 01 33*  | tons/year | 0.05               | solid              | Metal container                                 | D9 disposal by sanitation operators                       |
| Waste paints and varnishes containing organic solvents   | Paint residue       | 08 01 11*  | tons/year | 2.0                | solid              | Metal container                                 | D9 disposal by authorized economic operators              |

| Waste name                    | Waste type                          | Waste code | UM       | Estimated quantity | Physical condition | Method for storage                            | Recovery/disposal operation according to GEO 92/2021     |
|-------------------------------|-------------------------------------|------------|----------|--------------------|--------------------|---|--|
| or other hazardous substances |                                     |            |          |                    |                    |   |  |
| Mixed municipal waste         | Household waste                     | 20 03 01*  | tons/day | 0.005              | solid              | Collected in big bags and in metal containers | D9 disposal by sanitation operators                      |
| Plastic materials             | Plastic waste                       | 16 01 19   | tons     | 2.0                | solid              | Metal container                               | D9 disposal by authorized economic operators             |
| Metals                        | Ferrous and non-ferrous metal waste | 20 01 40   | tons     | 15.0               | solid              | Metal container                               | R12 capitalization through authorized economic operators |