

STATO DI FATTO - SCHEMI IMPIANTI DI POTABILIZZAZIONE

The diagram illustrates the flow of water and sludge through various treatment stages. Raw water (Q=70.00 l/s) enters the system and is distributed (1) into two parallel paths. The top path involves static decantation (2), followed by sand filtration (3), and then active carbon filtration (7). The bottom path involves destabilization (4), lamellar decantation (5), pressure sand filtration (6), and active carbon filtration (7). The effluent from both paths is combined and discharged into the sea (D) with a flow rate of Q=70.00 l/s and a concentration of ACQ.44/A. Sludge is collected in a thickener (8) and then sent to a belt press (9) for disposal (SMALTIMENTO). The diagram also shows the addition of disinfectant (A), flocculant (B), pH correction (C), and chlorine dioxide (D) at various points in the process.

LEGENDA

- 1 = RIPARTITORE
- 2 = DECANTATORI STATICI
- 3 = FILTRI A SABBIA
- 4 = DESTABILIZZATORE
- 5 = DECANTATORE A PACCHI LAMELLARI
- 6 = FILTRI A SABBIA IN PRESSIONE
- 7 = FILTRI A CARBONE ATTIVO
- 8 = ISPESSITORE
- 9 = NASTROPRESSA
- 10 = ACCUMULO
- A = IMMISSIONE DISINFETTANTE (IPOCLORITO)
- B = IMMISSIONE FLOCCULANTE (POLIDROSSICLORURO DI AL)
- C = CORREZIONE PH
- D = IMMISSIONE BISSIDO DI CLORO
- LINEA ACQUE GREZZE
- LINEA ACQUE CHIARIFICATE
- LINEA FANGHI