CLAIMS

1. A method of operating an electrochlorination system, the method comprising:

flowing a feed fluid through a first electrochemical cell and through a second electrochemical cell of the system, the second electrochemical cell being operated at one of a different current density or a different flow velocity than a respective current density or flow velocity of the first cell, comprising flowing the feed fluid through the first electrochemical cell and through the second electrochemical cell in parallel, further comprising flowing the feed fluid through a third electrochemical cell in series with the first and second electrochemical cells, further comprising one of:

flowing the feed fluid from both the first and second electrochemical cells into the third electrochemical cell, or

flowing the feed fluid from the third electrochemical cell into both the first and second electrochemical cells, where the flow velocity of the feed fluid through the third electrochemical cell is a sum of the flow velocities of the feed fluid through the first and second electrochemical cells, wherein each of the first, second, and third electrochemical cells are operated at a same current density.