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## 5.4 Wastewater Lagoon

The service population for the wastewater lagoon, located in the Plan Area, is 1,500 based on an assumed daily per capita wastewater volume of 60 gallons. The current Town population is 1,216 (2016 Federal Census). The system will need to be expanded, replaced or modified to support future population growth beyond the system’s current capacity. An aerated lagoon system would provide wastewater capacity for a population of 3,000 while limiting additional land requirements. Full details on wastewater treatment options can be found in the 2007 Town of Irricana Infrastructure Study (BSEI, 2007). Based on a conservative estimated annual population increase of approximately 2% per year, the current lagoon will provide capacity for the Town for approximately 40 years if an aeration system were installed as described in the 2007 Town of Irricana Infrastructure Study (BSEI, 2007).

### 5.4.1 Policies

- a) At such time that the Town needs to expand the capacity of the current lagoon, an aerated lagoon system should be installed, as described in the 2007 Town of Irricana Infrastructure Study (BSEI, 2007).
- b) Should the Town require additional expansion to the lagoon beyond 3,000 persons capacity in the future, the Town may consider:
  - i) Joining or participating in the formation of a regional wastewater services commission.
  - ii) Installation of a new wastewater lagoon in an alternate location.

## 5.5 Water Distribution

The NE ASP is proposed initially as an unserviced industrial park – no piped water will be available for the early phases. In future phases, potable water may be supplied to the NE ASP through a connection to the Town’s existing water supply.

### 5.5.1 Policies

- a) Initial development (Phase 1) should be limited to uses with minimal water requirements, as water and wastewater will be trucked in and out of the development.
- b) At the time piped water is determined to be appropriate for the site, a water source solution will be selected and engineered, and paid for by either:
  - i) Funds collected through an Off-Site Levy by the Town.
  - ii) By a specific developer, who will then collect payment from future developers through an Endeavour to Recover Agreement.

## 6.0 Implementation and Phasing

### 6.1 Plan Phasing

The NE ASP has been prepared as an economic development initiative of the Town, and all land in the Plan Area is owned by the Town

#### 6.1.1 Policies

- a) Development phasing in the Plan Area will generally follow the sequence with Phase 1 being constructed on a 1 to 2-year demand horizon.
- b) Should market demand shift or infrastructure be constructed, the development may occur in a different order.

### 6.2 Plan Amendments

Amendments to the NE ASP may be required occasionally to adapt to changing circumstances. Any amendments to this ASP will be made in accordance with the process outlined in the *Municipal Government Act*. Proposed amendments shall be consistent with the intent of the NE ASP.