

## ► FURTHER INFORMATION

### Nutrient Removal Comparison of Short-Listed Options

The following graphs show the amount of nitrogen (N) and phosphorus (P) removed by the treatment options being considered, and the way in which remaining nutrients would be discharged. The percentage removed by each option is shown on its individual option sheet.

- The options discharge the treated wastewater to land - whether it be a larger land treatment system or smaller discharge fields

- Where nitrogen is discharged to land, there is likely to be little removal by soils and so most N will eventually reach waterways.
- Phosphorus may be retained by soils to a much greater degree, depending on depth to groundwater, previous land use, and the existing levels of P in soils of the disposal field(s).
- The soil will eventually have excessively high levels of phosphorus which will be a risk for future lake water quality if disturbed and eroded sediments were to reach waterways.

