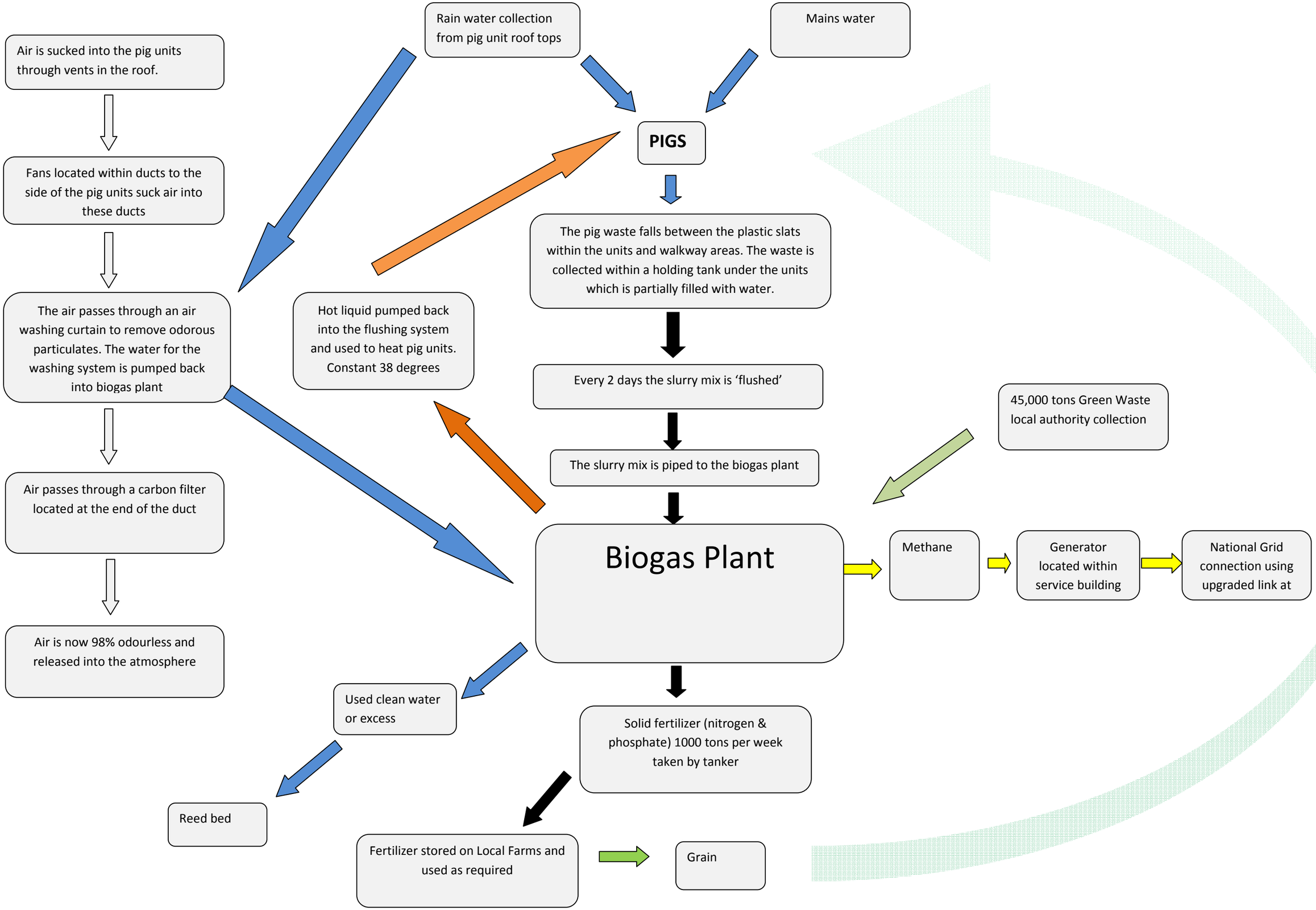
Air is sucked into the pig units through vents in the roof.
Fans located within ducts to the side of the pig units suck air into these ducts
The air passes through an air washing curtain to remove odorous particulates. The water for the washing system is pumped back into biogas plant
Air passes through a carbon filter located at the end of the duct
Air is now 98% odourless and released into the atmosphere
Rain water collection from pig unit roof tops
Mains water
PIGS
Hot liquid pumped back into the flushing system and used to heat pig units. Constant 38 degrees
The pig waste falls between the plastic slats within the units and walkway areas. The waste is collected within a holding tank under the units which is partially filled with water.
Every 2 days the slurry mix is 'flushed'
The slurry mix is piped to the biogas plant
45,000 tons Green Waste local authority collection
Biogas Plant
Methane
Generator located within service building
National Grid connection using upgraded link at
Used clean water or excess
Reed bed
Solid fertilizer (nitrogen & phosphate) 1000 tons per week taken by tanker
Fertilizer stored on Local Farms and used as required
Grain