



Dongara Pelletization Plant Progress Report

**Presentation to Solid Waste
Committee**

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June 4, 2008**

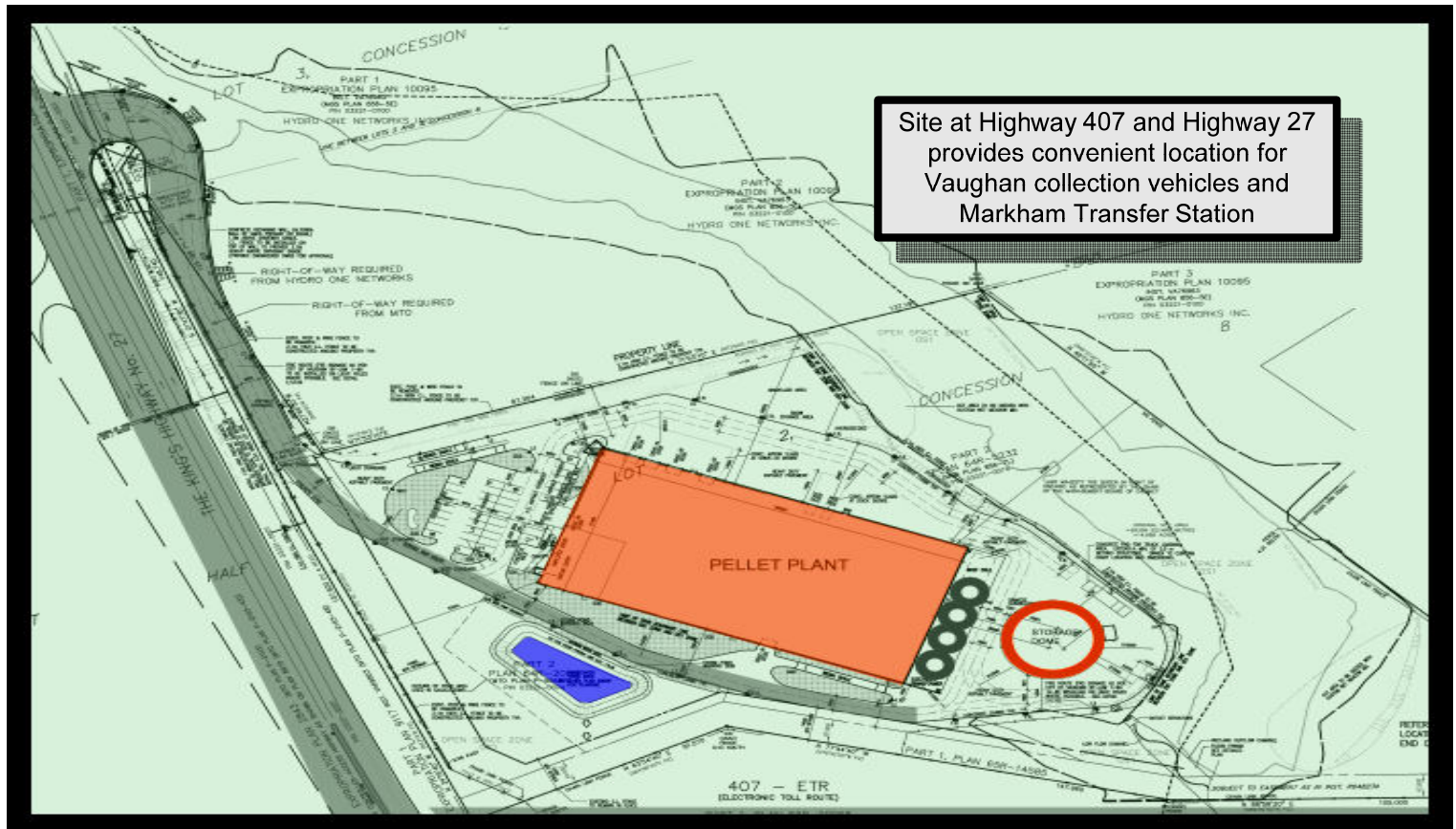
Dongara Contract Highlights



- ❑ Dongara facility will process 200,000 tonnes / year of MSW and ICI Waste
- ❑ York Region Contract
 - ❑ 100,000 tonne / year
 - ❑ 20 year initial term
 - ❑ Provision for two 5 year extensions
- ❑ Produces fuel pellets from residual MSW and high caloric supplement

Process includes preconditioning waste to remove remaining recyclable material.

Approved Site Plan



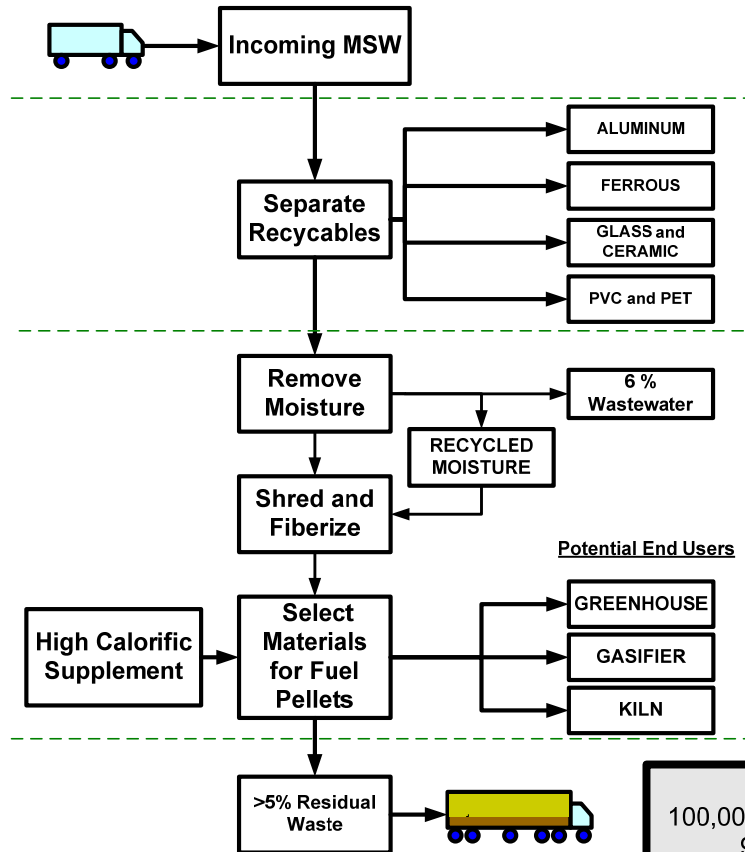
Site at Highway 407 and Highway 27 provides convenient location for Vaughan collection vehicles and Markham Transfer Station

Exterior Appearance



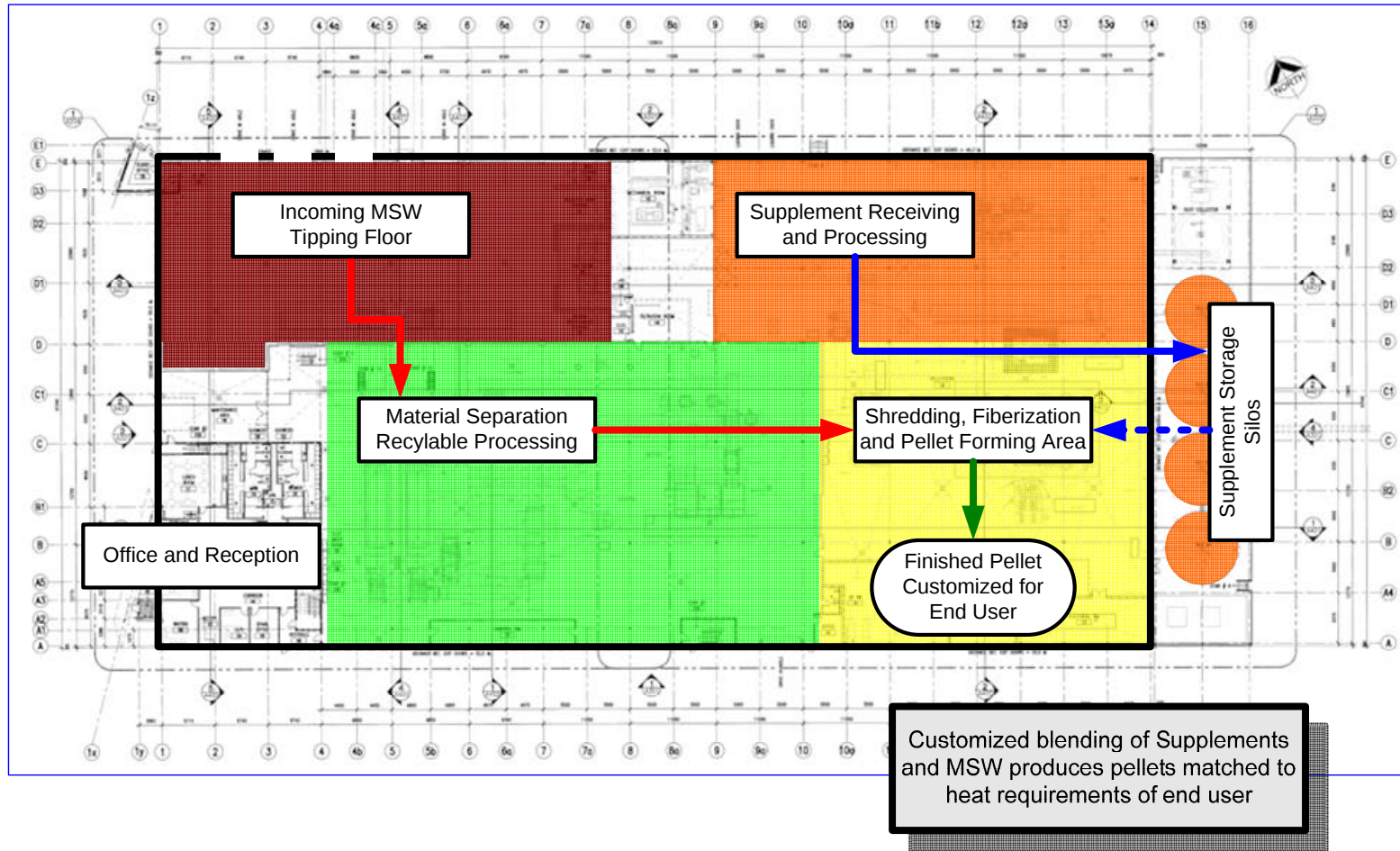
Plant construction at 87 % completion
200,000 tonnes/year capacity

Pelletization Process Flow



100,000 tonnes of garbage produces 90,000 tonnes of pellets

Plant Layout



Receiving Area



Tipping Floor



Receiving Conveyor



Bag Ripper

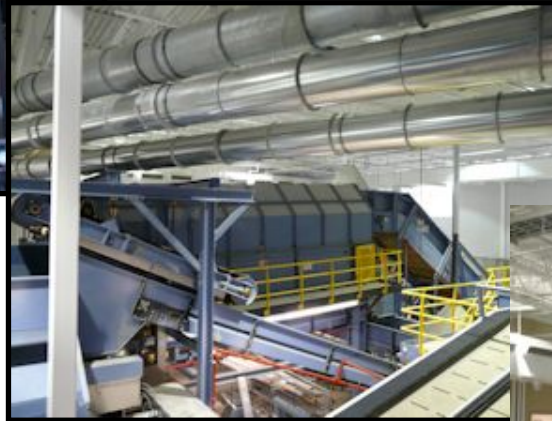
Vaughan and King will offload collection vehicles at Dongara facility, balance of waste will come from York Transfer Stations



Screening and Separation



Screening prepares material for shredding and allows separation of film and paper materials



Trommel Screen followed by Air Separator for film and paper and Magnetic Separator



Trommel Exit to Magnetic Separator

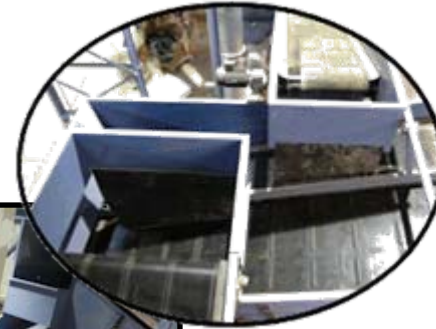
Recycling



**Temporary Picking
Station**



Separator and Conveyor



Recyclable Material Hoppers

Separation of Recyclable Materials
will increase York's diversion rate

Shredding and Fiberizing



Shredder



MSW Shredder Feed

"Fiberizing", a process like making cotton candy, prepares materials for "agglomeration" into a loose mixture subsequently formed into pellets.



Fiberizer System

Facility Key Milestones



- ❑ August 29, 2006 - MOE Certificate of Approval
- ❑ Spring 2008 - 20 year pellet supply deals with REMASCO and Nautilus
- ❑ May 28, 2008 – Equipment “cold start”
- ❑ early June 2008 - Vaughan Occupancy Permit
- ❑ June 17, 2008 – Council Presentation
- ❑ June 20, 2008 - REMASCO Pellet Test Burn
- ❑ July 1, 2008 – Plant begins receiving curbside waste materials

Facility on track for July 1st opening