

OSB PLANT #5

(Compiled May 20, 2009)

- Complete plant commissioned in 1988, shut down Dec 20, 2007
- Professionally decommissioned with protective oil as needed
- Onsite engineer installed new presses May 2008
- All conveyor belts tension – released
- This is a Specialty Mill capable of producing variety OSB
- Zero claims on products sold
- 182 employees – 4 shifts, ran 7/24 (maintenance 40 employees)
- Building size approximately 266' wide x 715' long (190,000 sq ft) (Plus newer additions measuring approximately 250,000 sq ft (added on in 1998 & operational by year 2000))
- Production was 420-450 million sq ft based on 3/8"
- Note: (Supplied RV market – mostly 8x24'...3/8" for walls, 7/16" for roof and 19/32" for flooring...Truss joists (4x8s) for tongue & groove process/flooring/beams & timber)
- Log usage: 574,157 cu metres/year – Board density 39 lb/cu ft average. Type of wood used – Aspen & Black Poplar (70% white + 5% softwood). (Could use 100% pine but will need to use more resin)

Plant Details:

- Volcano Unit: 50 million btu/hr; hot oil system (540 degrees F); Gross _____ 426.5 million sq ft; 460 volts; uses hog fuel & wood residuals for building heat and press heat. Comes with a storage unit
- Hot oil system: 8 main valves; McConnel wood burners for dry waste – this is for the drying system (2 different systems); can convert to using wet waste – the hot oil system uses wet waste for fuel. Dryer uses dry waste for McConnel wood burners
- 3 Dryers: Uses wood and/or gas; spare blender header (part of the blending system)
- Triple pass dryer – screening and injecting fuel into wood burners (dry fuel used)
- Electric gravel – particulate adheres to gravel – environmental equipment
- 2 Stranders – c/w 2 years extra supply knives
- Filing room equipment includes 24' Reform magnetic bed grinder
- Ring Strander (48 sets of knives in 3 sections – knife, counter knife & scoring tips)
- 2 Simons Stranders (2,000hp each)
- 2 Dozing bins – 2 liquid blenders and 2 powder blenders
- 3 Dryers with automatic speed controlled conveyors
- Schenck pickerels with 4 forming heads; versatile ability to turn & formulate patterns
- 2 different resins for core and surface, performed in layers, bonding fills for strength
- Simpleton Press 44 _____ layer' Schenck controls (now computerized)
- 12 Dieffenbacher Presses (8x24): Air over water pressure – 95% water to 5% oil – can switch over to different pressures – 4500 lbs & 750
- Density variations based on wood amount: ie 30.5/cu ft; 38.5 lbs/cu ft; 3/8" 32 lbs/cu ft

- Unloading state – triangular conveyor – boards are separated
- Electronic Density Scanner – very fast – timed forming line – all timing
- Globe Edge Trimmer – splits/paints (autosort)
- CSL Machine stress tester
- Autograde system – automatically sorts panels from prime to nonprime; Autostamps
- Grade bins tell where each go
- Older Globe 4' wide sander with tongue & groove. (Kimwood sander to replace Globe)
- MCC Room – Allan-Bradley
- 12' capacity discharge bins
- Bundle turner
- Strapper 200 (3-4 installed) with plastic straps and dispenser
- Refeeder for 4x8s to reprocess
- Steinemann Sander 8' wide – hot stacked – specialty line. c/w spare new sanding belts
- Cut-to-size booth near sander
- Auto saws for specialty sizes
- 3 Hysters (210) c/w 24' fork assembly