WOOD CHIP EXPORT – BC SOFTWOOD 40 YEARS – SINCE 1977

Wood chip marketing:

Export and domestic sales
• Pulp chips
• Biomass wood chips
• Japan largest export customer
• Celebrating 40 years of business
• Exiting the Wood chip business and seeking diversified products to compliment our wood pellet business.
WOOD PELLETS

- Fibreco started handling wood pellets in 2005
- $25 million invested in pellet facilities
WOOD PELLET HANDLING CAPABILITIES

• Rail unload, Storage, Ship Loading

• Rail Tracks – 10 Tracks (114 cars)

• 2016 Pellet shipments - 1,000,000 tonnes

• Storage Capacity 45,000t (Shed & Silo)

• Handymax & Panamax Vessel capacity
WOOD PELLET SUPPLY CHAIN

Source fibre

Produce pellets

Transport to port: Rail / truck

Terminal handling

Ocean freight: Europe / Asia

Terminal discharge / reload

Transport to power plant: coastal vessel / barge / rail / truck

Produce power

World class logistics are required.
70 – 80% of delivered price is in transportation costs.
WOOD PELLET SUPPLY CHAIN CHALLENGE

• Fibreco Schedules and Coordinates BC Logistics
• Rail Movements from various producing mills handling over 16,000 railcars
• Work very closely with our rail provider CN Rail
• Unloading and Storage Utilization
• Vessels arrivals and Loading
• Handling 70 vessels a year.
WOOD PELLETS HANDLING CHALLENGES

Wood Pellets are a difficult product to handle:

- CO (Carbon Monoxide)
- Dust
- Fire
WOOD PELLET HANDLING

Difficult Product To Handle:

CO (Carbon Monoxide)
- Fatalities on vessels
- Strict procedures required
- Gas Monitoring
- Proper Ventilation
WOOD PELLET HANDLING

Difficult Product To Handle

DUST

- Maintain inbound quality
- Minimize dust generation with design on handling equipment. (Do not create dust)
- Containment
- Bag-house (vacuum) capture and feedback into flow
WOOD PELLET HANDLING

Difficult Product To Handle

FIRE

• Wood pellets are made to BURN. Fine dust can catch fire from small spark.
• Detect, locate, alarm, shut down & extinguish.
HOW WILL WE MANAGE DUST?

Covered rail dumper and baghouse to remove dust

Modern soft-handling transfers and chute work, fully contained

Cascade style shiploading spout to prevent fugitive dust during vessel loading
FIBRECO WOOD PELLET HANDLING FUTURE?

• Do capabilities align with suppliers requirements?
• Investment into new infrastructure to better handle the product with soft handling measures.
• Our industry is evolving with quality standards and requirements.
WOOD PELLET HANDLING

- Focus on continuous improvement
- Meet the customers needs
- Higher service levels with productivity and cargo care focus.
THANK YOU.