

Jacksonville Environmental Protection Board Sustainability Symposium

Mike Templeton August 19, 2011



Welcome to Renessenz



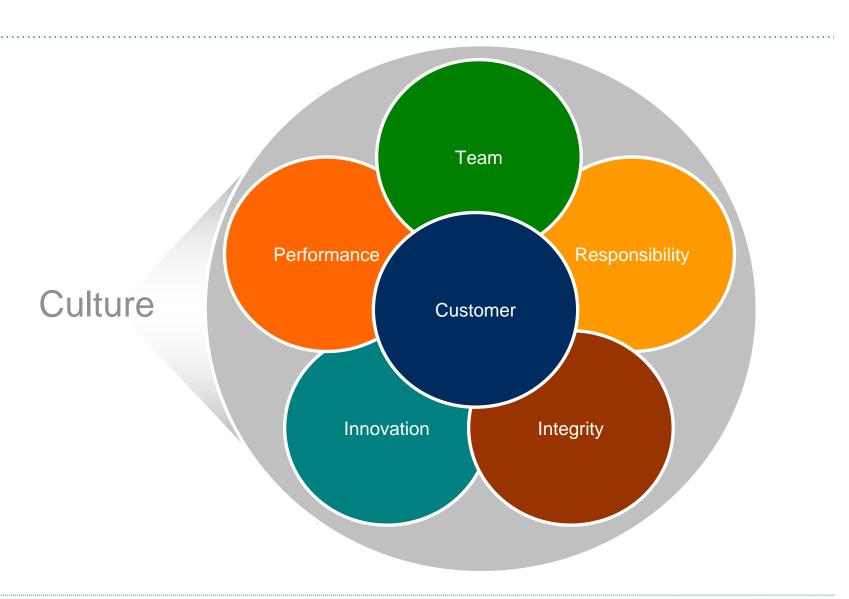
Our Mission and Vision

Building on over a century of success, the Renessenz team creates innovative chemistry and technology for our customers and stakeholders. We develop and supply high-quality, renewable products delivered with world-class service.

Renessenz will add zest to the products that people use and consume every day – by making integral ingredients readily available through the innovative use of natural, renewable resources.



Our Values



Our Values



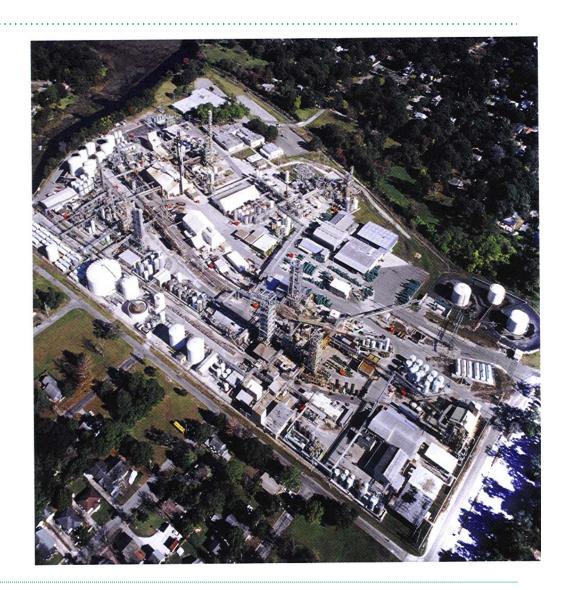
Responsibility do the right thing

We act responsibly in all aspects of our business and always "do the right thing"

- Our Health, Safety & Environmental standards are never negotiable
- We are committed stewards and act responsibly toward the community and our environment
- We are individually accountable for our actions and results
- We take our responsibility to stakeholders and our team seriously

Jacksonville Site

- Founded in 1910 by the Southern Mfg. Company and the Cummer family
- 54 acres
- Business headquarters
- Administration and R&D
- Customer service
- CST fractionation
- Batch specialty operations
- ISO-9001-2008
- Non-Union

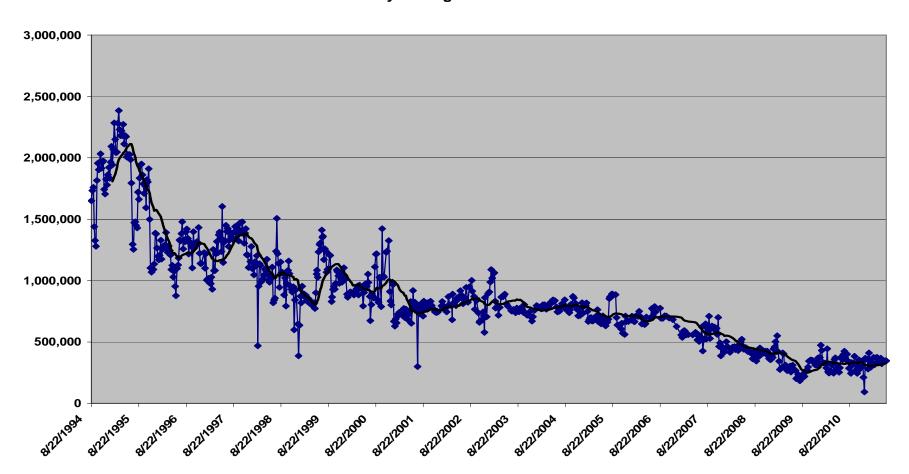


A Demonstrated Commitment to Sustainability

- Renewable natural feedstocks—pine trees, oranges and mint
- +70% reduction in water consumption from the aquifer since
 1994
- Water recycle to the First Tee golf course starting in 2002
- Significant improvement in odor emissions over the last 2years
- 40% reduction in SO2 air emissions since 2002
- Internally generated "green bio-fuel" represents ~50% of our energy required for steam production
- Significant improvement in multiple sustainability metrics since 2002

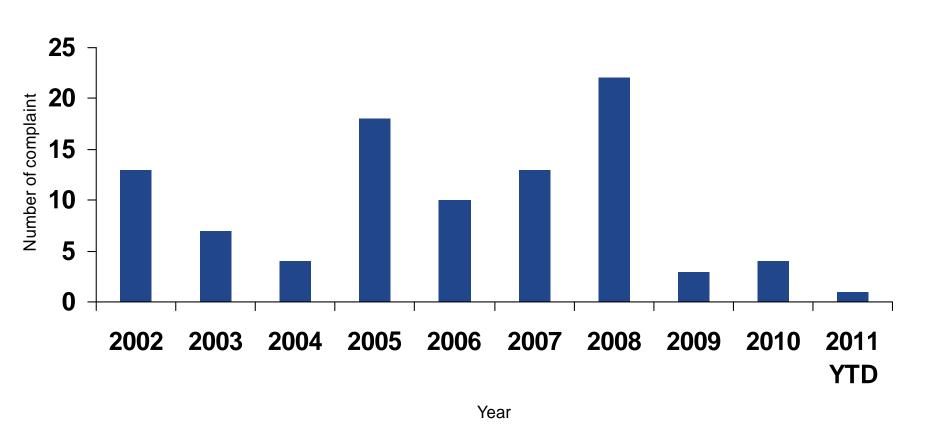
Water Removal from Aquifer has Reduced Significantly

Well Water Withdrawal Daily Average 1994 - 2010

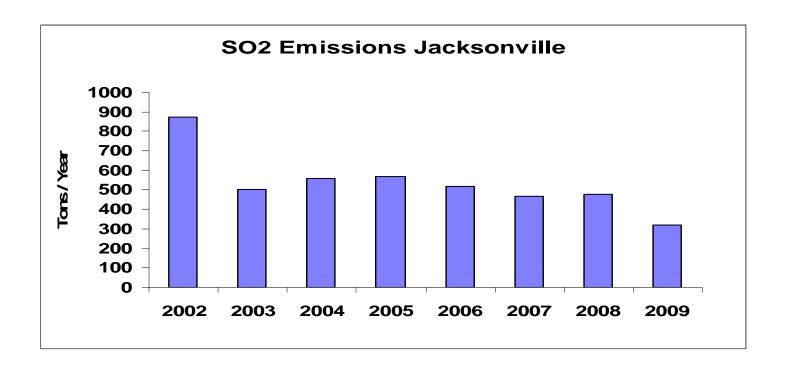


Odor Complaints Have Reduced Significantly

Odor Complaints Validation



SO2 Emissions Have Reduced



~40% reduction in SO2 while increasing throughput +25%

New Boiler Start-up Q3-2011

- Replacing 2 old boilers (1964 and 1972 vintage) with 1 modern,
 high efficiency, low NOx boiler
 - \$3.5 MM investment
 - Improve thermal efficiency less GHG emissions
 - Significant reduction in NOx emissions
 - Significant reduction in potential to emit
 - Improved burner system will have positive impact on odor emissions

	<u>Baseline</u>	New Boiler
Potential to emit SO2	2409.3	864
SO2 emissions	824	550**
NOx emissions	94	69**

**2011 estimate

Glidfuel is a bio-fuel product

- Glidfuel is a cleanburning substitute for fossil fuels
- It's derived from natural, renewable feedstocks and is composed of mono-terpenes, sesquiterpenes, terpene alcohols, and terpene polymers

RENESSENZ

Product Information

Glidfuel™

The clean-burning substitute for fossil fuel:

Glidfuel is a clean-burning substitute for fossil fuels. It is derived from natural, renewable feedstocks and is composed of monoterpenes, sesquiterpenes, terpene alcohols, and terpene polymers.

Glidfuel can be burned alone or in any mixture with residual fuel oils where its high degree of solvent activity greatly improves the handling characteristics of the mixture. The user will experience better atomization and flame development with less fouling of burner tips.

Specifications:

Appearance: Heating Value, BTU/USgal.: Sulfur Content, weight %:

Typical Properties:

Specific Gravity, © 25°C: Flash Point (TCC):

Regulatory/Classifications

Inventory Status: Toxic Substance Control Act:

Transportation:

US DOT:

IMDG:

ADD:

Shipping Information: Containers: Shipping Point US EPA
Registered

UN1993, Flammable liquids n.o.s.
(Terpene Hydrocarbons), 3, PGIII, NAERG 128.

Brown-to-black

2.5 max

1.5 max

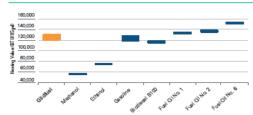
0.904 107°F (41.7°C)

120,000 - 140,000

Marine Pollutant (Limonene, para-Cymene)
UN1993, Flammable liquida n.o.a. (Terpene
Hydrocarbons), 3, PGIII, Marine Pollutant
(Limonene, para-Cymene)

UN1993, Flammable liquida n.o.a. (Terpene Hydrocarbona), 3, PGIII, Marine Pollutant (Limonene, para-Cymene)

Available in bulk only; tank cars/tank trucks Jacksonville, FL USA







You can find out more about us by visiting our website at: renessenz.com

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Sustainability Scorecard

MEASURE	UNIT OF MEASURE	2002	2010	IMPROVEMENT
(Electric) Energy Usage	GJ / MT of Product	4.687	3.209	31%
(Fuel) Energy Usage	GJ / MT of Product	40.867	26.049	36%
Water Usage	M3 / MT of Product	32.834	16.226	50%
Water Discharge	M3 / MT of Product	24.428	12.634	48%
Hazardous	MT / MT of Product	0.0020	0.0017	13%
Waste Disposal				
Non-Hazardous	MT / MT of Product	0.048	0.030	37%
Waste Disposal				
Kyoto Emissions Direct	MT of CO2e / MT of Product	1.250	0.824	34%
Kyoto Emissions Indirect	MT of CO2e / MT of Product	0.704	0.546	22%
Potential Waste Material Recycled, Reused,	MT / MT of Product	0.196	0.372	90%
Recovered				

Summary

- Renewable feedstocks and sustainability are core to our business.
- We are very proud of our performance, our commitment to the environment and the improvements that our employees have made:
 - Water usage reductions
 - SO2 and NOx emissions reductions
 - Reduction in odor complaints from neighbors
 - Excellent improvement in best-practices sustainability metrics
 - Use of green bio-fuels
- And, as we state in our mission, vision and values, we are committed to continuing those efforts!