



AlphaGary

Market Leadership in Specialty Compounds

Company Overview:

- Develop and manufacture specialty thermoplastic materials
- Diverse polymer portfolio for various end-use applications
- Versatile manufacturing
- Technically demanding applications
- Global markets; multinational customers
- AlphaGary is a subsidiary of Rockwood Specialties Group, Inc.





Group Headquarters: Leominster, MA USA



Melton Mowbray, Leicestershire UK

AlphaGary

➡ **Globally Positioned, Locally Responsive**



Pineville, NC USA

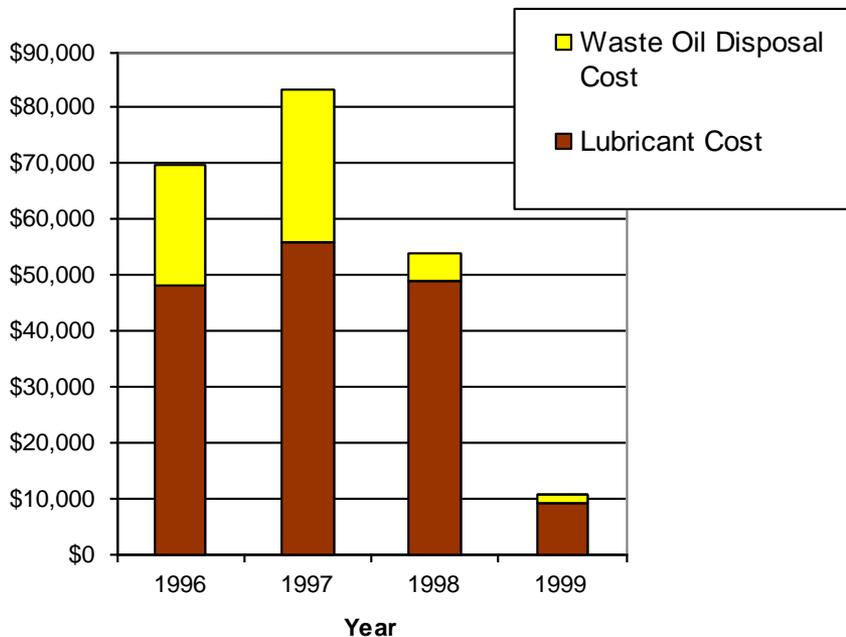


AlphaGary Canada, Stoney Creek, Ontario

Building upon success Examples of applying TUR Techniques...

Although not reportable substances required to be included in TUR Plan, this project illustrated benefit from opportunity considered as process improvement - modernization

Cost of purchased lube and haz waste disposal

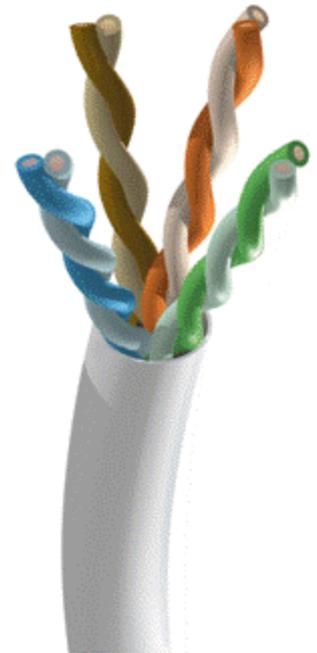


- Reductions due to;
 - Class A Regulated Recycle Permit
 - Lube-less Dust Stop Rings
- Additional benefits not quantified;
 - Drum deposit charge
 - Reduced environmental exposure
 - Quality of product (reduced black specs)
 - Maintenance of dust stop seals

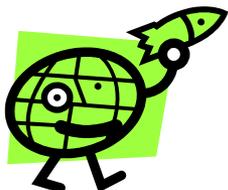
TUR Accomplishments

Reduced processing of Lead compounds

- Leominster, MA RY 1999 Pb cmpds (lead stabilizers processed)
 - ❑ ~ 2MM lbs
 - ❑ About 0.025 lb Pb per lb of product (> 80MM lbs produced)
- Leominster, MA RY 2008 Pb cmpds
 - ❑ ~ 60K lbs
 - ❑ About 0.001 lb Pb per lb of product (> 60MM lbs produced)
- Lead reduction trend continues...
 - Market demands
 - Production scheduling
- Corporate objectives involve reducing Pb compounds
 - Pineville, NC facility established as Pb-free



Injecting TUR techniques into the process



- process modernization
 - automation
 - blender shaft seals – eliminating leakage / by-product
 - mixer seals – dust stops, reducing haz waste generation at source
- procedures and practices in blending area
- best practices / engineering controls
 - minimizing fugitive dust & personal exposure

Integrating TUR principles into daily business and capital projects



Company objectives seemingly linked with TURA requirements...

- Technically demanding end-use applications for specialty materials
 - Emphasis on developing new products
 - Eliminating substances of concern = input substitution
- Intense focus on service and satisfying multinational customer requirements
 - Competitive markets, continuously evolving
 - Incorporated in planning process
- Operating versatile manufacturing facilities
 - People / Assets
 - Minimizing personal exposure and byproduct generation
 - Managing risk and going beyond compliance
- Economic goals and objectives
 - Yield improvement
 - Emphasized cost impact while quantifying material balance





Leominster, MA Facility Highlights

- ~ 145 full time employees
- Commitment to SH&E
 - ☑ Recognition by RSGI for superior safety performance
 - ☑ >5 million man-hours since LTA
 - ☑ Cooperation with local authorities
 - ☑ Efforts recognized by Commonwealth and EPA



The evolution...

From challenging times;

- o Transition from TURA representing burden of compliance and cost
- o Experience of NOV's and ACO

To understanding principles;

- ✓ Recognized value of planning and realizing TUR was consistent with company objectives
- ✓ Advancing materials, developing competitive advantage

And cooperatively working with stakeholders;

- Collaboration with stakeholders
- Supply chain champions

Realizing;

- Value to paying fees ?
- Resource conservation = another value opportunity !



Today... TURA at AlphaGary

Activities are integrated into daily business routine
Complimentary to quality management system
Supply chain collaboration accelerates advances
Continuous improvement
Evolving process, Not an endpoint

Contributes to maintaining a competitive position within our industry





Thank you!

Questions?

[*www.alphagary.com*](http://www.alphagary.com)