“A REGIONAL PERSPECTIVE”
“We Begin With Insufficient Knowledge”
“HSSEQT FIRST - Our LICENSE TO OPERATE”

**A Culture and a Climate**

**Culture:** A learned meaning system that consists of patterns, values, norms and symbols that are shared to a varying degree by interacting members of a community.

**Climate:** The general environment within a society comprising the attitude of the organization toward activities.

*A CEO can delegate Culture, but the Climate is a direct indication of the CEO’s personal, upfront involvement and visible leadership!**
• Develop Future Talent
• Reinforce Frontline Management
• Improve Processes
• Value Open Communication
• Empower Multidiscipline Teams
Leadership Development Program

- Multidisciplined Development Team
- Peer to Peer and Individual Assignment
- Safety & Performance Oriented Tasks
- Increased Engagement & Communication
- Develop Lasting Relationships among Future Leaders
LEADERSHIP DEVELOPMENT

STC invested efforts into identifying, investing and developing leaders.

- Year-long program including on-site efforts and follow-up activities
- Identification of and investment into captain advisory council
- Diversified groups, representing multiple areas of focus as well as experience levels, etc.
- Annual awards banquet to honor top performing boats and individuals
WATERWAYS: Working for America
Maintaining Safety
Inland waterways transport has a low injury and fatality record compared to rail or truck.

Safety related statistics for all modes of freight transportation between 2001 and 2009 show 1 injury in the inland marine sector for every 95.3 in the rail sector and 1,609.6 in the highway sector. The same 9-year period shows 1 fatality in the inland marine sector for every 18.1 in the rail sector and 132 in the highway sector.
Moving Forward, Saving Energy
Transporting freight by water is the most energy-efficient choice.

The most energy-efficient way to move commodities such as coal, grain, iron, steel, aggregates, petroleum and chemical products is to use the nation’s navigable rivers. Barges can move one ton of cargo 616 miles per gallon of fuel. A rail car would move the same ton of cargo 478 miles, and a truck only 150 miles.

Ton-miles Traveled per Gallon of Fuel
**Rate of Spills in Gallons per Million Ton-miles**

- 2.59
- 4.89
- 10.41

Spills of more than 1,000 gallons

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**Protecting Communities**

Inland waterways transport moves hazardous materials safely.

All transport modes work hard to prevent accidents, human errors and other causes of spills. Overall, spill rates are very low.

Statistics for 2001-2009 show trucks losing 10.41 gallons per million ton-miles, rail cars 4.89 gallons and barges only 2.59 gallons.

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**Environmentally Advantageous**

Barges have the smallest carbon footprint among competitive transportation modes.

To move an identical amount of cargo by rail generates 30% more carbon dioxide than by barge, and trucks generate in excess of 1,000% more emissions.

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**Ensuring Cleaner Air**

Inland waterways transport generates fewer emissions than rail or truck.

The emission comparison between inland towing, rail and truck transportation shows that fewer air pollutants are generated by moving products on America’s inland navigation system. These pollutants include:

- Particulate matter (PM)
- Carbon monoxide (CO)
- Hydrocarbons (HC)
- Nitrogen oxides (NOx)

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**Emissions (Grams/Ton-mile)**

\[
\text{PM} = \{\begin{array}{c}
0.007555 \\
0.014523
\end{array}\} \quad \text{HC} = \{\begin{array}{c}
0.0432 \\
0.27435
\end{array}\} \quad \text{CO} = \{\begin{array}{c}
0.009213 \\
0.018301
\end{array}\} \quad \text{NOx} = \{\begin{array}{c}
0.0556 \\
0.3536
\end{array}\}
\]

PM = Particulate matter • HC = Hydrocarbons • CO = Carbon monoxide • NOx = Nitrogen oxides
<table>
<thead>
<tr>
<th>Station</th>
<th>Flood Stage</th>
<th>Daily Change</th>
<th>Current Stage</th>
<th>Forecasted Crest Stage</th>
<th>Date</th>
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<tr>
<td>St. Louis, MO</td>
<td>30.0</td>
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<td>Cresting 39.5</td>
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<td>0.3</td>
<td>6.04</td>
<td>7.5</td>
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<td>10.35</td>
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Top of Morganza gates 60 feet
RRL gage of 60.5 feet = 57 feet at Morganza
RELIABILITY – SUSTAINABILITY ?
“Arteries of our Nation”
“A GREAT JOY IN LIFE IS ACCOMPLISHING WHAT OTHERS SAY CANNOT BE DONE OR HAS NOT BEEN DONE BEFORE’
“If we are to achieve things never before accomplished, we must employ methods never before attempted”

Sir Francis Bacon: 1561-1626
“HSSEQT FIRST - OUR LICENSE TO OPERATE”

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STC FAMILY
PREDICTIVE INDEX – IDENTIFYING TALENT

**DRIVES**

- **DOMINANCE** (A)
  - The drive to exert one’s influence on people or events

- **EXTRAVERSION** (B)
  - The drive for social interaction with other people

- **PATIENCE** (C)
  - The drive for consistency and stability

- **FORMALITY** (D)
  - The drive to conform to rules and structure

**NEEDS**

**BEHAVIORS**
WIRELESS SENSOR TECHNOLOGY
POOR PRACTICE – TIGHTENING LINES

- Worker is standing front on to the ratchet
- This promotes back twisting which can be damaging to the spine and cause pain.
GOOD PRACTICE – TIGHTENING LINES

- Use a squat or lunge position.
- Stand perpendicular to the ratchet and avoid twisting the back.
- Always use the cheater pipe while tightening lines.
- Shift your weight between your left and right legs as you tighten the lines.
WHAT WE KNOW.

80% of health outcomes are influenced by NON-MEDICAL factors.

We can remove barriers, influence beliefs, and reward behaviors.
We asked ourselves three things:

1. What are the health beliefs and behaviors of this community long before the health issues hit the claims deck?

2. What are the inherent barriers this community has to a habit of health?

3. How can STC remove barriers and influence beliefs and behaviors?
THE INDEX EXPERIENCE.

93%  Index completion rate
64%  Readiness to change
55%  Ability and confidence

HEALTH INSIGHT

Disease Risk
Stress
Nutrition
Movement Quality
Fitness

Total Health Score: 10
CARE COORDINATION USING NURSE ADVOCACY.

Using a combination of the SHI index and claims data, our Nurse Advocate can:

• **Identify** top claimants and conditions by cost
• **Instigate** outreach to employees, spouses and dependents
• Develop **personalized** member-driven goals and healthcare plans that might assist with weight loss, diabetic management, smoking, alcohol or drug cessation, among many other health-related topics
• End result is **improved** health outcomes, **decreased** spend, and improved **quality** of care

Our Nurse Advocate then dissects and uncovers savings through claims data addressing the following: (modifiable factors)

- The “Impactables”
- Care Gaps
- Poor Outcomes
- Medication Adherence
- Prevention and Screenings
- ER and Urgent Care Summary
- Avoidable Visits
- Disease Management
<table>
<thead>
<tr>
<th>Category</th>
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<tbody>
<tr>
<td>Defective Equipment Or Machinery</td>
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<tr>
<td>Communications</td>
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<td>Supervision</td>
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<td>PPE</td>
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<td>Slip, Trip, Fall</td>
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<tr>
<td>Transiting Vessel / Barge / Dock</td>
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<tr>
<td>Smoke / Near Fire</td>
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<td>Fueling</td>
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“Arteries of our nation”
“A Navigation of Compromise”
ORVA rallies to get funds

Bush plan threatens Ouachita

Proposed funding cut could sink river trade

“If we are to achieve things never before accomplished, we must employ methods never before attempted”
- Sir Francis Bacon: 1561-1626

“We will chase perfection and while we chase it relentlessly, knowing all the while we can never attain it, but along the way we shall catch excellence”
- Vince Lombardi
1. Get in the arena
2. Lead with humility
3. Communicate and act in an honest, ethical and direct way
4. Maximize the collective strengths of the team
5. Trust, respect and commit to each other – “Presume Best Intentions”
6. Challenge conventional thinking
7. Adapt and evolve through a philosophy of continuous improvement
8. Drive results through a disciplined and data-driven approach
STC
PILLARS

Success Through Commitment

Safely Transporting Cargo

Service To Customers

Supporting The Crew