

SOURCE CONTROL OF THE FUTURE

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CleanWater  Services

Utility of the Future

“Our industry will change more in the next five years than we have in the last 20 years”



Transformative (NACWA, WRF, WEF)

Collecting and
Treating Waste

Meeting Limits



- Managing valuable resources
- Partner for economic health
- Partner for watershed health
- Achieving ecological outcomes
- Providing resource recovery
- Effective use of public money
- Efficient compliance strategies



Outcomes and Innovation

- Deliver benefits
 - Environmental
 - Economic
 - Social / quality of life
 - Basin scale
- Reduce cost
- Increase revenue
- Generate public support



Source Control

- **Industrial Pretreatment Section 403**
- Comply with pretreatment standards -- to ensure CWA goals (USEPA)
- Focus on regulatory outputs (e.g. permits)
- To achieve goals:
 - Protect infrastructure
 - Protect biosolids
 - Prevent pass through



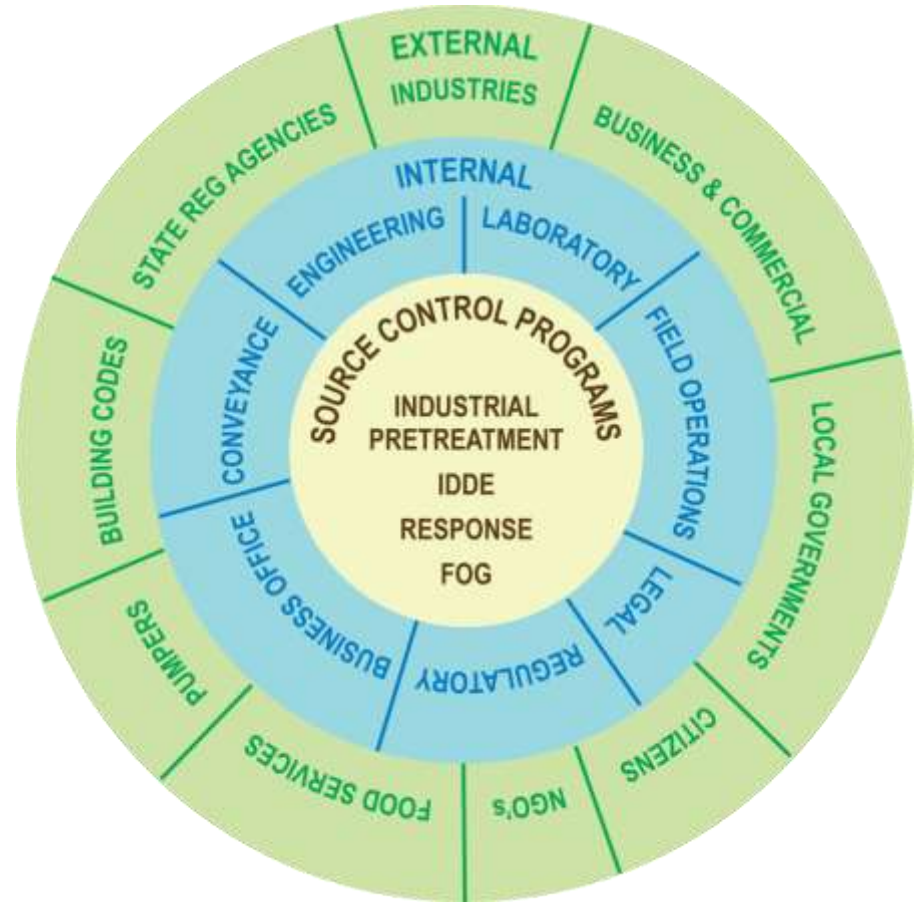
Source Control Programs

- Complaint response and investigations
- Laboratory sampling, analysis and monitoring
- Illicit Discharge Detection and Elimination
- FOG
- Commercial stormwater
- Outreach and communication

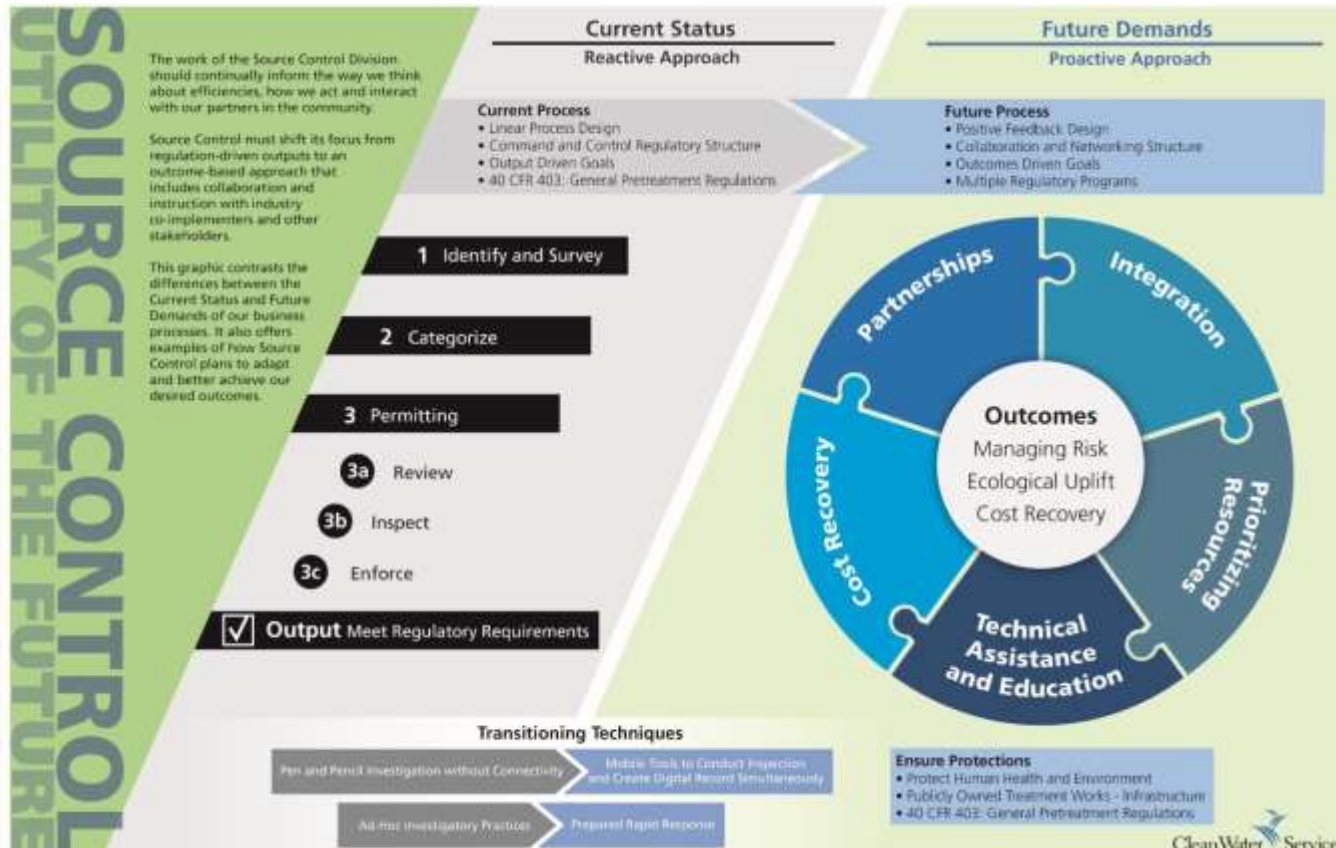


Foundational Program

- Internal contacts to partners
- External contacts to partners



Source Control of the Future



Key elements for Source Control of the Future

- Engage more fully with others
- Become more efficient
- Inspire innovation
- Improve use of data and technology
- Provide broader service
 - By creating a utility of the future we are creating an industry of the future
- Create outcomes
- Foster regulatory awareness
- Be adaptive



Integration

- Not expanding silos
- Collaboration partners
- Priorities
- Common outcomes



What we bring to the team

- Industrial and commercial partnership opportunities
- Public private partnerships
- Knowledge of systems, where something comes from and goes to
- Field presence and responsiveness, often the face of the utility
- Important technical skills, sampling, chemistry



Transformation Process

- Put the question to staff and let them design change
- Time
- Vetting and discussion
- Feedback with leadership



Unlocking Innovation: The Transformative Journey of the Source Control Team



Matching people and tasks

- Focus areas and teams
- Outreach and communication
- Pollution prevention
- Incident rapid response
- Data management and technology
- Regulatory awareness



“You must be the change that
you want to see in the world”

