

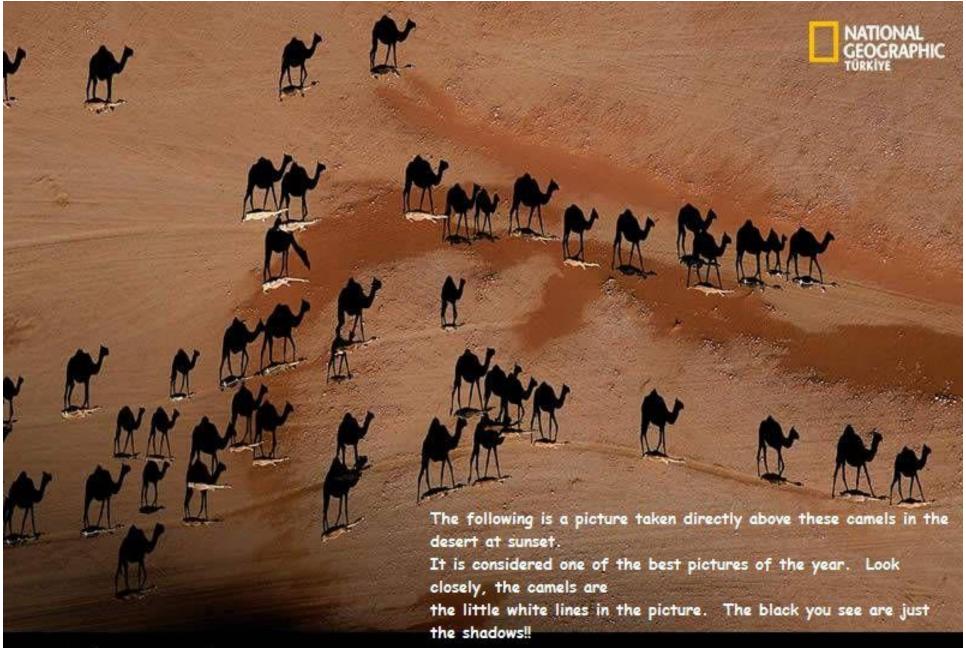
U. S. Department of Transportation





Thoughts for Consideration

SD/ND T&Q Seminar Leonard Steiner April 22, 2009



Fotoğraf: George Steinmetz

Dev Develer

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Presentation Topics

- ➤ Continuous Improvement Ideas
 - > Working Together:
 - ➤ Damage Prevention & Public Awareness
- ➤ Program Evaluation
 - > Program Implementation
 - > Program Effectiveness





Continuous Improvement Ideas

REMEMBER:

- > Ideas Only
- ➤ Purpose is to Foster Process Improvement and Discussion
- ➤ Idea is not Synonymous with Expectations
- Continuous Improvement may not mean a trend upwards every time
- ➤ An Operator May Find Value in All or Some of These Suggestions





RP1162 Overwhelming Information

- ➤ Comment from Workshop —
 TOO MUCH INFORMATION
- > For Consideration:
 - ➤ Timing of mailing reviewed
 - >7-8 times to retain
 - ➤ Is it all required in one mailer?
 - ➤ Check for duplicates or more
 - > Multiple Titles & Same Name & Same Address
 - Multiple Companies, Same Name & Same Information





Continuous Improvement Ideas

- ➤ Is the information getting where it should?
 - > School
 - ➤ Emergency Responder Notified by Public Official, Public Official Notified by Public
 - > Actions to Demonstrate:

Document follow-up and results to these specific type of calls (contact list updates, procedures, etc)





Continuous Improvement Ideas

- ➤ Who in the Organization Should Know About This Information (Section 2.4.7)?
 - ➤ Emergency Responder and Public Official Contacts
 - ≥800 numbers and delay
 - ➤ Moving a meter and Leak
 - Actions to Demonstrate: Document improved process, procedures, training activities and sharing of information

Continuous Improvement Ideas



Pipeline and Hazardous Materials Safety Administration



Tracking to make a difference?

- Can you query data in a meaningful way?
- > Excavators and Contact with the Pipe
- > Excavators and One-Call tickets,
- > One-Call tickets and locators
- > Actions to Demonstrate:
- Query repeat offenders for hits,
- Query repeat offenders for excavation without a valid one-call ticket,
- Query bad locates.
- Document your process to follow-up on the queried data.
- > Track further information.





Continuous Improvement Ideas

- Can you query data in a meaningful way?
 - ➤ Clearing issue
 - ➤ Action to Demonstrate: Review mailing method and work to identify whether or not this is an issue





Continuous Improvement Ideas

➤ How are we targeting who THEY trust?

- > Home information
- ➤ Action to Demonstrate:

 The meter reader, business extensions through employees, ...



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Continuous Improvement Ideas

- Converting Existing Resources and Valid Data into Action
- Action to Demonstrate:
 Use A Different Perspective, Review and Document:
 - Aerial PatrolsRepeat LocationsSeasonal Activity
 - ➤ Customer Service Departments/Rate Changes
 - Meter Readers and Opportunities
 - > Developer and City Calls to Engineering Departments
 - Incident/Accident Reports and Follow-up
 - > 800 Calls and Follow-up
 - Complaints and Resolution
 - ➤ New Pipeline Construction and Contacts
 - > ROW Management Data





Continuous Improvement Ideas

- Trend Items that Can Help You Too!!
 - ➤ Locates and No Response Tickets
 - > Excavators that did not place a ticket
 - ➤ Near Miss Events
 - ➤ Action to Demonstrate: Follow-up (ask why), document numbers and changes in procedures or contracts, document sharing of information and how you have improved a process





Continuous Improvement Ideas

> DIRT DATA

- ➤ Analysis
- Local Versus National
- Action to Demonstrate: Follow-up (ask why), use the power query wizard, look at local versus national data, document changes and how you have improved compared to local, national data and how DQI index has improved.

Food For Thought

- Problem Statement: The Washington Monument was disintegrating Why?
 - Use of harsh chemicals
- Why?
 - To clean pigeon poop
- Why so many pigeons?
 - They eat spiders and there are a lot of spiders at monument
- Why so many spiders?
 - They eat gnats and lots of gnats at monument
- Why so many gnats?
 - They are attracted to the light at dusk.
- Solution: Turn on the lights at a later time.



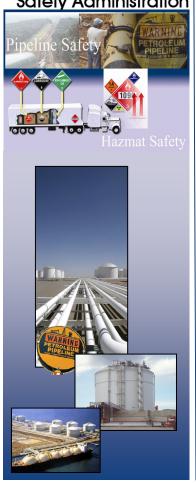




Continuous Improvement Ideas

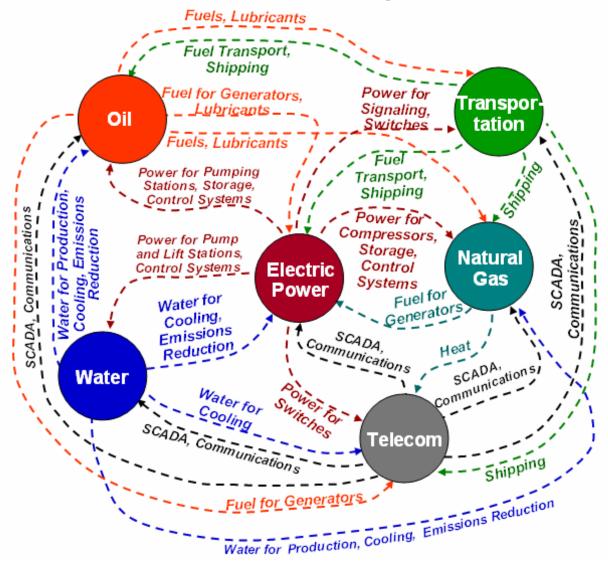
- **Review Presentations Used**
 - ➤ Do the pictures speak?
 - ➤ Do you see what you should?
 - ➤ Are you using the Data to improve or grab attention?
 - > Action to Demonstrate:
 - > Record changes made
 - > to presentations by stakeholder group
 - > to provided information
 - > indicate why or what is being tested.

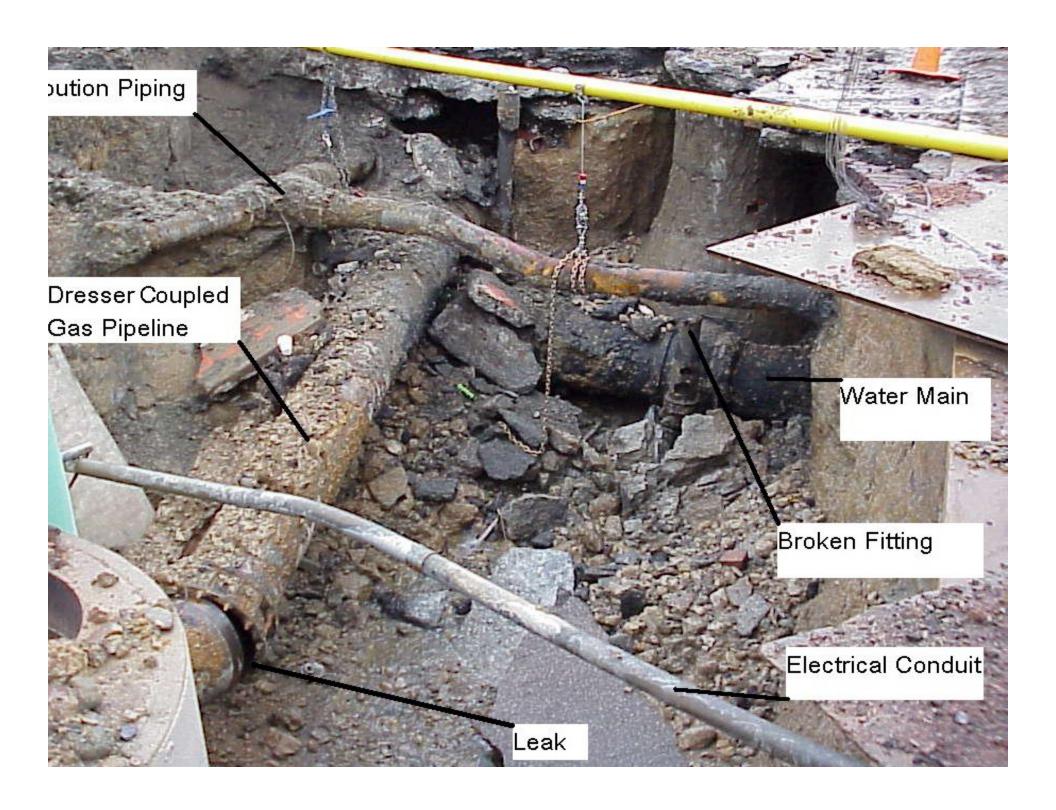




The National Pipeline System

Infrastructure Interdependencies







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Continuous Improvement Ideas

- > Trend Items that Can Help You Too!!
 - > Locates and No Response Tickets
 - > Excavators that did not place a ticket
 - ➤ Near Miss Events
- > DIRT DATA
 - > DQI
 - Local Versus National
- > Review Presentations Used
 - ➤ Do the pictures speak?
 - ➤ Do you see what you should?
 - ➤ Are you using the Data to improve or grab attention?





Program Evaluation

Assessment of ProgramImplementation

 Measuring Program Effectiveness





Program Development and Documentation

- Has the Public Awareness Program been developed and written to address the objectives, elements and baseline schedule?
- Does the operator have a <u>written Public Awareness</u> Program?
- Have <u>all of the elements been incorporated</u> into the written program?
- Does the written program address all of the objectives?
- Does the documented program address regulatory requirements and other regulatory requirements that the operator must comply with?
- Does the operator have a plan that includes a schedule for implementing the program?
- Does the program include <u>requirements for</u> <u>updating responsibilities as organizational changes</u> are made?





Program Implementation

- Has the public awareness <u>plan been implemented and documented</u> according to the written plan?
- Is the program <u>updated and current with any significant</u> organizational or major new pipeline system changes that may have been made?
- Are <u>personnel assigned responsibilities</u> in the written program <u>aware of their responsibilities</u> and have <u>management support (budget and resources)</u> for carrying out their responsibilities on the program?
- Has the program implementation been <u>properly and</u> <u>adequately documented?</u>
- Have all <u>required elements of the program plan been</u> <u>implemented in accordance</u> with the written plan and schedule?
- Does the operator have <u>documentation of the results of evaluating the program for effectiveness</u>?
- Are the results of the evaluation of program effectiveness being used in a structured manner to improve the program or determine if supplemental actions (e.g. revised messages, additional delivery methods, increased frequency) in some locations?





Measuring Program Effectiveness





Outreach: Percentage of Each Intended Audience Reached with Desired Messages –

- Supplemental Measures Track the number of inquiries by phone to operator personnel.
- Track input received via feedback postcards (often called reply or bounce-back cards) from representatives of the stakeholder audience at events or meetings, sent by mail, or as a result of the operator's canvassing of the rights-of-way.
- Track the number of officials or emergency responders who attend emergency response exercises (this is an indicator of interest and the opportunity to gain knowledge).

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Desired Behaviors by the Intended Stakeholder

<u>Audience – Supplemental Measures</u>

- Whether excavators are following through on <u>all safe</u> excavation practices, in addition to calling the One-Call Center.
- The number of notifications received by the operator from the excavation One-Call Center (e.g., is there a <u>noticeable increase following distribution</u> of public awareness materials?).
- An assessment of <u>first responder behaviors</u>, including the response to pipeline-related calls, and a post-incident assessment to determine whether their actions would be and were consistent with the key messages included in the public awareness communications. Assessments of actual incidents should recognize that each response would require unique onscene planning and response to specifics of each emergency.
- Measuring the <u>appropriateness of public stakeholders'</u> <u>responses</u> is also anecdotal but could include tracking whether an actual incident that affected residents was correctly identified and whether reported and personal safety actions undertaken were consistent with public awareness communication.

SURVEY FOR EMERGENCY OFFICIALS





eline is ir	or near your
YES	NO
there is a	n incident, or if you NO
ng pipelin YES	e safety in any NO
ledge, me y within YES	t with any the last 12 months, NO
ipeline in YES	cident, such as a NO
YES	NO
e last ten y YES	years in your NO
	_
YES	NO
ent in a s	atisfactory manner?
pipeline?	YES NO
_ TITI	CE:
	28
	there is an YES ag pipelin YES ledge, me by within YES YES e last ten YES

SURVEY FOR AFFECTED PUBLIC





In the last year, have you spipeline safety?	seen or heard any info YES	ormation from relating to NO
Written material (brochur meeting Posted information)	e, flyer, handout) Nev rmation (e.g., on or ne	wspaper ad or article Face-to-face ear pipeline)
Do you live close to a haza	rdous liquid or gas pi	peline?
YES NO	DC	O NOT KNOW
What would you do in the	event you were first t	o see damage to a pipeline?
Call 911Call pipeline operation	ator Flee area Nothin	g (not my responsibility) Other:
What would you do if you pipeline?	saw someone intentio	nally trying to damage a
Call 911Call pipeline operation	ator Flee area Nothing	g (not my responsibility) Other:
Have you ever calledworrisome activity n		
Have you or has anyone in or product released NO		encountered a damaged pipeline YES
Do you agree or disagree t informing people lik	hat has e you about pipeline s	
Strongly agree Agree Disa	gree Strongly disagre	e
If you disagree, why?		
Comments		
SIGNATURE:	DATE:	

SURVEY FOR PUBLIC OFFICIALS





Do you have a hazardous liquid or gas pipelin	e running	through your com	munity?
YES		NO	
Do you know the name of your local pipeline o	perator?		
YES		NO	
Have you heard or seen a message regarding [oipeline sa	fety in the last 12 r	nonths?
YES	NO	If yes, how ma	nny?
Before today, about when was your last contact Company related to pipeline safety?	ct with son	neone from	
Do you know the telephone number to call at -			there is an
incident or you need more information	?	YES	NO
Do you know what precautions an excavator s accidentally hitting a pipeline?	hould take	e prior to digging t YES	o avoid NO
If yes, what are they?			
Are you familiar with the one-call requiremen	its?	YES	NO
How would you rate the adequacy of informat recognize a leak, what to do where ther etc.)? About right Too much Not enougl	e is å leak,		
Does your community have an emergency resp	ponse plan	to deal with a pipe	eline break?
	YES		NO
Are you aware of any pipeline breaks that occ	urred in y YES	our community in	the last 10 years? NO
Have any of your local citizens or businesses e any issues regarding pipeline safety?	expressed of YES	concern in the last N	
Comments			
SIGNATURE:	\mathbf{T}	ITLE:	
DATE:			





SURVEY FOR EXCAVATORS

In the last 12 months, have you been contacted or received written information from regarding pipeline safety? YES NO
If yes, what was the source:
Telephone call Mail Visit or in-person meeting E-mail Sign or billboard Other:
Have you contacted or One-call in the past year to inquire about the location of the pipelines? YES NO
If yes, how many times? If yes, how did you make the contact?
Telephone call, E-mail, Letter, In-person, Other:
How often would you say your equipment operator checks whether a pipeline exists before digging in a new spot?
Always, Usually, Sometimes, Rarely, or Never, Don't know
If not always, why not?
Didn't know where to get information, Not necessary, Didn't think about it, Takes too much time, Think we can tell where pipeline is on our own, Other:
How do you make sure that all the right people in the company get the information on whom to call before digging? That is, how do you disseminate the information?
Post it, Discuss in meetings, E-mail, Calls, Put in company's written procedures, Put in company newsletter, Other:
31





Excavator (Cont.)

How many of them probably have information on where to call before digging?

Has your company ever unexpectedly encountered a pipeline while digging?

YES

NO

	110
If yes, how often has this occurred?	
If yes, how many were "close calls"?	
How many resulted in damage?	
Comments	
SIGNATURE:	
NAME OF COMPANY:	
DATE:	

SUMMARY OF EVALUATION

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PROCESS

	Evaluation Approaches	Evaluation Techniques	Recommended Frequency
	Self Assessment of Implementation	Internal review	Annually
y	Evaluation of effectiveness of program implementation: Outreach Level of knowledge Changes in behavior Bottom-line results	Survey operator-designed and conducted survey	No more than four years apart.
	Implement changes to the PAP	Responsible person as designated in written PAP	As required by findings within 12 months of evaluation 33





Continuous Improvement Ideas

Just because we have done it that way,

Does not mean it is the best use of \$\$\$\$\$ and Resources





QUESTIONS?

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