

# N U P I C

NUCLEAR PROCUREMENT ISSUES COMMITTEE

Issue: December, 2010

## Chairman's Message

By: John Larson  
Nebraska Public Power District

*“We’ve chosen careers in a challenging industry with high standards; it’s not for everyone.”*

*It’s for the brave.”*

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At a recent NUPIC Meeting, a member of our management team challenged us to “be brave” in providing feedback to our peers. Each of us wants to know what our co-workers think of our performance. We expect a glowing report, but sometimes the message is a difficult one to hear. But these difficult messages we receive are the ones from which we profit the most. Performance improvement requires critical feedback.

As an organization, NUPIC needs critical feedback from our customers and from the nuclear industry suppliers that we audit. We’ve not been receiving it. Many reasons have been suggested for this, but none justify our failure to meet the standards of our industry in this area, that directly affects continuous improvement. Every NUPIC Audit and Survey Team is required to evaluate the team leader and members. Every NUPIC Audit and Survey Team also provides a feedback questionnaire to the audited organization. The information obtained from these evaluations and questionnaires are direct feeders to NUPIC process improvements and auditor training. The messenger is unimportant; it’s the message that we want and need.

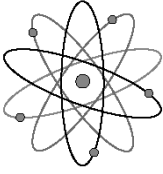
To our suppliers: Following your next NUPIC Audit or Survey, take a few moments with your staff to collect some thoughts and recommendations. Use the questionnaire provided to record them and follow the instructions for on-line submittal to the NUPIC website. If you prefer you can send it to the NUPIC Performance Monitoring Chairman, Darlene Stimart of Xcel Energy. Or, if you don’t want to write it all down, call me at (402) 825-5822 and tell me what’s on your mind.

To our audit teams: Don’t miss an opportunity to identify excellent as well as deficient performance. Stay objective, but true. Team members may feel inadequate to criticize another, but constructive criticism will benefit us all. I’ll also extend to you the invitation to call me, if that’s more convenient, and give me your thoughts on how we can improve.

We’ve chosen careers in a challenging industry with high standards; it’s not for everyone. It’s for the brave.

Thanks for your ongoing support of NUPIC,

John



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## NUPIC New Plant Development Committee (NPDC) Update

*By: Brian Mervak  
South Carolina Electric & Gas Company*

The NUPIC New Plant Development Committee met on October 5, 2010 in Chicago, IL. The main item on the committee agenda was to review and approve the committee charter.

The charter provides direction and focus for the committee in serving the goal of using the NUPIC process to support the “New Build” plants in supplier qualification and surveillance activities. The charter states as the committee’s primary focus “to maximize efficiency and effectiveness of new plant supplier oversight activities by utilizing the NUPIC organization and processes”. In meeting this goal, the charter states the following objectives:

1. Promote communication and coordination of oversight activities (audits, surveys, surveillances) between members with new plant license applications (hereafter “New Plant members”).
2. Conduct New Plant NUPIC oversight activities per NUPIC Document 4 Attachment.
3. Interface with NUPIC general membership for supplier issues regarding new plant activities.
4. Represent NPDC members through interfaces with other industry organizations (e.g., NEI QA Task Force, EPRI JUTG, NIAC, and NSCSL) involved with new plant activities.

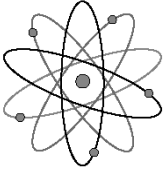
Following the committee meeting, the committee held its second annual Key Supplier Conference, a two day meeting which was hosted by Sargent and Lundy. The conference included topics of industry interest, including Counterfeit detection programs, INPO Construction Experience program, commercial grade dedication processes, NEI QA Task Force activities, SER NEI 06-14 revisions, and the Westinghouse Design Reliability Assurance Program. The group also held round table discussions on topics of interest regarding new builds. Key suppliers in attendance included AREVA, Bechtel, Black and Veatch, Crane Nuclear, Fluor, MNES, MHI, Nuclear Logistics, Sargent and Lundy, Shaw, Toshiba, URS, and Westinghouse. Organizations in attendance included INPO, NEI, NIAC, and NUPIC New Build utility representatives.

The NPDC is planning to hold the 2011 Key Supplier Conference in August, 2011, at the new offices of URS in Ft. Mill, SC. The committee thanks URS in advance for volunteering its facilities for the 2011 conference, and Sargent and Lundy for its hospitality in hosting this year’s conference.

## Driving Toward Excellence

*By: Steve Lusk  
Tennessee Valley Authority  
Process Management Committee*

I have watched many a football game this season - both in person and on television. In each one I am intrigued by how sometimes teams have to make adjustments during the game to accomplish the goal. All teams have areas in which they can improve and sometimes the best teams have to find a way to win. Some teams continue to get better as the season progresses; which means that the teams that don’t improve, often get left in the dust.



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The same can be said for utilities, suppliers and NUPIC. NUPIC is constantly looking for process improvements to help us cross the goal. NUPIC has addressed this in several ways over the last few years and NUPIC's Process Management Committee (PMC) has been involved with many of them. Among other responsibilities, PMC is responsible for the audit checklist, commercial grade survey checklist, the associated procedures and guidelines.

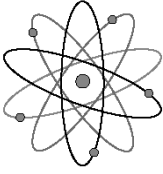
There have always been 10 CFR 50, Appendix B requirements that suppliers and utilities ensure that materials, parts, equipment and services conform to design and procurement requirements, as well as prevent the use of incorrect or defective items. At the 2008 NUPIC Vendor Meeting, there was an eye-opening break-out session with hands-on examples of counterfeit, fraudulent and substandard items (CFSI). The theme of the 2009 NUPIC Vendor Meeting was about CFSI in which two vendors shared real life examples of how their products were counterfeited and the impact and sophistication of CFSI. Due to changing game conditions (industry concerns), we needed to adjust both checklists in 2009 to add questions addressing the detection of CFSI.

The Nuclear Regulatory Commission (NRC) has for years been the primary entity which evaluated suppliers' conformance to 10 CFR 21. In 2009, the NRC informed NUPIC that this responsibility also lies with the utilities. Therefore NUPIC's PMC revised the audit checklist which more fully addresses the responsibilities suppliers have for meeting the requirements of Part 21. These changes not only address Part 21 postings, procedures, notifications, and how evaluations are performed, but also ensure that suppliers have links between their nonconformance/corrective action procedures and their Part 21 procedures. Furthermore the checklist now addresses the timelines and records requirements specified in the regulations.

NUPIC also evaluates the inspections that the NRC performs on suppliers. NUPIC notes any differences between these inspection reports and NUPIC audit reports. We also monitor the trend of the types of issues the NRC finds to incorporate changes to address them. As an example the NRC noted that although many suppliers' internal audit programs are in compliance with their written programs, some suppliers' internal audits were ineffective in that they did not identify problems identified by NRC inspections and/or NUPIC audits. Likewise some suppliers' corrective action processes were not documenting problems, were not effectively identifying the causes of problems, and/or were ineffective in correcting these problems in order to prevent recurrence. Recently changes were made to the NUPIC audit checklist to address and evaluate the effectiveness of suppliers' audit and corrective action processes.

Just like football teams, NUPIC has "players" graduating or retiring, so we increasingly have "rookies" entering the game. So PMC along with NUPIC's training committee is making changes to coach rookies and help them learn from the starters. This means we are working on revised guidelines and we are working rookies into the audits to gain experience. So please have patience with us as we add rookies on the teams to get game experience. Other future adjustments will be to address cyber security, software development and new plant needs.

All of us have a vested interest in ensuring we work toward the goal line. And that goal is driving toward zero defects in the materials, parts, equipment and services that make operating and new nuclear plants work safely and efficiently. Often improvements must be made to ensure we get the desired result. There is an old football maxim that whoever makes the fewest mistakes will win. Suppliers and utilities need to ensure we don't fumble, because even one crucial turnover could cost us the game.



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## Did You Know?

*By: Jim Johns  
First Energy Corporation*

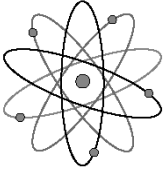
- 10 CFR 21 requires retention of purchasing records (POs/Contracts) for 10 years.
- Consistent evaluation of 10 CFR 21 reportability requires a direct tie to the corrective action process.
- NUPIC information such as membership, checklists, future meetings, is available at [www.NUPIC.com](http://www.NUPIC.com).
- Rigor of your QA Program at your facility, and in controlling your suppliers, directly affects the quality of your product. Take the time to be self critical. Make internal and supplier audits work for you!
- Use and effectiveness of your corrective action process is a key indicator of a healthy QA Program.
- The next NUPIC vendor meeting will be held in Chicago, IL.
- Honest feedback on the performance of NUPIC audit teams is appreciated and used as a learning tool. Take the time to help us improve your audits!
- Nuclear Industry recognition of NVLAP/A2LA accreditation currently applies to calibration services only, not testing.

## The NUPIC Report Card & How Your Feedback Matters

*By: Darlene Stimart  
Xcel Energy  
Coordinator, Performance Monitoring Process*

The NUPIC Performance Monitoring Committee is responsible for implementing and maintaining the Performance Monitoring Process, also referred to as the "Report Card". Report cards are issued to all domestic utilities 3 times per year. A pilot International Report card is coming soon. Report Card indicators are based on compliance with the NUPIC process, audit/survey performance and participation within the organization.

A total number of points is achievable from the nine performance windows. Target performance is based on the sum of the nine (9) windows at a "white" (meeting expectations) performance level. The target performance can be raised or lowered depending on the performance of the organization as a whole. Performance results are weighted based on significance of the area in relation to overall NUPIC performance. Points are heavily focused on performance and involvement in the organization. Within the performance area we measure feedback received from suppliers based on the Audit Feedback Questionnaire that is provided to the supplier by the audit team leader. Scores from the feedback forms are populated unto the utility Report Card. Feedback received in the form of comments on the questionnaires is used as learning opportunities and shared during every NUPIC meeting and at the annual auditor training conference.



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We appreciate the feedback we receive; however, we would like more! Currently we receive feedback from about 10% of the suppliers who are audited using the NUPIC process. That is good, but we need to hear from all of you. What you liked, what you didn't like, where we can improve or how the audit team helped your program to improve.

I would like to personally ask each of you who receives a NUPIC audit this year or next, to submit your feedback via the Supplier Audit Feedback Questionnaire process. Your audit team leader will provide you with the questionnaire and instructions on submitting your response. If they don't, please ask!

We welcome all feedback; negative and positive. We value your input, we do listen and we process changes accordingly.

## 19<sup>th</sup> Annual Vendor Conference – June, 2010

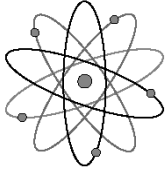
*By: John Larson  
Nebraska Public Power District*

The conference this year was conducted in collaboration with the NRC's 2<sup>nd</sup> Workshop of Vendor Oversight for New Reactor Construction. There were over 500 participants representing vendors, the USNRC, and the Canadian Nuclear Safety Commission. International organizations represented included NUPIC Members from Brazil, Canada, Mexico, Romania, Slovenia, Sweden, and Spain. A significant share of the participants were attending the Vendor Conference for the first time, resulting in almost a 50% increase in attendance from last year.

The conference agenda featured presentations by the NUPIC Steering Committee, the USNRC, and new plant overviews by Southern Company and Unistar Nuclear. Afternoon breakout sessions focused on 10 CFR 21, CG Dedication Acceptance Methods, Human Performance for Vendors, and New QA Program Development. Over 30 Comment Cards were received and answers have been posted on the NUPIC web page.

The NRC Workshop on June 17 provided a continuation of these discussions, with NUPIC participation.

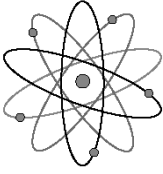
Plan now to attend the 20<sup>th</sup> Annual Vendor Conference, June 15-16, 2011, in Chicago, IL.



# NUPIC

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<b>PRELIMINARY NUPIC AUDITOR CONFERENCE AGENDA</b>		
<b>Monday, February 7th, 2011</b>		
<b>Charleston, SC</b>		
<b>Time</b>	<b>Topic</b>	<b>Presenter (Utility/Group)</b>
<b>7:30 – 8:00 am</b>	Continental Breakfast	ALL
<b>8:00 – 8:15 am</b>	Logistics / Protocol / Plan of Day	Carrie Wilson (DPC)
<b>8:15 – 8:45 am</b>	The future of NUPIC: Transferring Tribal Knowledge	John Larson (NPP) & Carrie Wilson (DPC)
<b>8:45 – 9:30 am</b>	NQML - NUPIC's Role in the Industry: "Do Not Surrender"	Tom Tankersly (ENT)
<b>9:30 - 10:00 am</b>	Version 13 Database Review	John Simmons - Mark Coren
<b>10:00 - 10:15 am</b>	BREAK	ALL
<b>10:15 - 10:45 am</b>	Part 21 from the Perspective of the NRC	Rich McIntyre (NRC)
<b>10:45 – 11:45 am</b>	Presentation Skills	
<b>11:45 – 1:00 pm</b>	Lunch	ALL
	TWO (2) BREAKOUT SESSIONS (Session moderator will determine appropriate break)	
<b>1:00 – 2:45 pm</b>	Commercial Grade Dedication of Software (based on getting input from EPRI & working group)	
<b>2:45 – 3:00 pm</b>	Break	ALL
<b>3:00 – 4:45 pm</b>	Software QA - Checklist Section 4	
<b>4:45 pm</b>	Reconvene - Questions from the day	John Larson (NPP) & Carrie Wilson (DPC)



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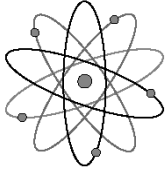
NUCLEAR PROCUREMENT ISSUES COMMITTEE

## PRELIMINARY NUPIC AUDITOR CONFERENCE AGENDA

Tuesday, February 8th, 2011

Charleston, SC

Time	Topic	Presenter (Utility/Group)
7:30 - 8:00 am	CONTINENTAL BREAKFAST	ALL
8:00 - 8:15 am	Logistics/Protocol/Plan of Day	Carrie Wilson (DPC)
8:15 - 10:00	EPRI NUPIC Training for Team Leaders - Introduction to Modules	Darlene Stimart (XEL) & Marc Tannenbaum (EPRI)
10:00 - 10:15 am	BREAK	ALL
10:15 - 11:30 pm	EPRI NUPIC Training for Team Leaders - Introduction to Modules (Cont.)	Darlene Stimart (XEL) & Marc Tannenbaum (EPRI)
11:30 - 1:00 pm	LUNCH	ALL
1:00 - 1:45 pm	Supplier's Audits of Sub-suppliers	John Larson (NPP)
1:45 - 2:15 pm	ILAC Accreditation Review	Del Senner (ENW)
2:15 - 2:30 pm	BREAK	ALL
2:30 - 3:00 pm	Coordinating Checklist Section Efforts	Bill Kotteakos (SCE)
3:00 - 3:45 pm	International Travel Safety & Security	Vicki Holtz-Longshaw (DPC)
3:45 - 4:15 pm	Missed Opportunity Review	Wendy Woltz
4:15 - 4:30 pm	Comment Card Review	Darlene Stimart (XEL)
4:30 pm	Challenges Going Forward	John Larson (NPP)

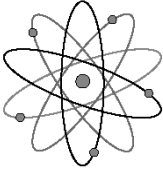


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## 2011 Audit Schedule Jan.—June

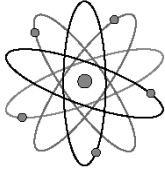




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Supplier #	Supplier Name, Location	Audit Number	Lead Utility	Scheduled	Team Members
1030 (SR/PR)	ABB Inc. - Protective Relays & Switches - CORAL SPRINGS, FL	22843	XEL	05/2011	ENW FEC PPL
4935 (SR/PR)	AMERICAN CRANE & EQUIPMENT CORP. - DOUGLASSVILLE, PA	22864	PSE	04/2011	DOM EXL PPL
	5881 (SR/EX) American Crane & Equipment Corporation - Lester, PA				
2337 (SR/PR)	AMETEK SOLIDSTATE CONTROLS - COLUMBUS, OH	22914	DPC	03/2011	AUE LUM PGN SCE
2396 (SR/PR)	ANSYS, INC. - CANONSBURG, PA	22934	DOM	05/2011	CFE STP
1176 (SR/PR)	Babcock & Wilcox Canada Ltd. - Cambridge, ON	22896	FEC	03/2011	AEP BPL EXL HQG NEE TVA
4763 (SR/PR)	BASIC-PSA, INC. - JOHNSTOWN, PA	22875	PGN	05/2011	NBP PPL SCE
4686 (SR/PR)	BERGEN-POWER PIPE SUPPORTS - DONORA, PA	22874	STP	05/2011	EXL PGN SOC XEL
	1215 (SR/EX) BERGEN-POWER PIPE SUPPORTS - WOBURN, MA				
4480 (SR/PR)	Cameron - Measurement Systems Division - Coraopolis, PA	22889	SOC	04/2011	IBE PGN
1785 (SR/PR)	Cameron Measurement Systems - CITY OF INDUSTRY, CA	22853	SNC	01/2011	AUE DEC DPC SOC
4958 (SR/PR)	CARBOLINE COMPANY - LAKE CHARLES, LA	22865	LUM	04/2011	DEC TVA
	1275 (SR/EX) CARBOLINE COMPANY - St. Louis, MO				
1375 (SR/PR)	CHEMPUMP, a Division of Teikoku USA, Inc. - Warminster, PA	22881	SNC	02/2011	APS OPG PGN
5018 (SR/PR)	Computer Simulation & Analysis, Inc. - Idaho Falls, ID	22866	APS	03/2011	DPC
1342 (SR/PR)	Consolidated Power Supply - Birmingham, AL	22952	SCE	06/2011	CEG ENT PGE
1170 (SR/PR)	COOPER B-Line, Inc. - HIGHLAND, IL	22909	ENT	06/2011	CFE NPP SNC STP
1782 (SR/PR)	Crane Nuclear, Inc. - Kennesaw, GA	22852	CEG	03/2011	OPG PPL XEL
1284 (SR/PR)	DELPHI CONTROL SYSTEMS, INC. - POMONA, CA	22916	DPC	04/2011	APS KNP
1432 (SR/PR)	Dresser Flow Control, Division of Dresser, Inc. - Alexandria, LA	22893	ENT	06/2011	CEG DPC NBP NEE OPG
5280 (SR/PR)	DST Computer Services S. A. - Geneva, CH	22939	AUE	06/2011	CEG CFE
1502 (SR/PR)	EDISON ESI - WESTMINSTER, CA	22921	DOM	03/2011	ENW OPP PGE
1500(SR/PR/NP)	ENERCON Services - Kennesaw, GA	22988	SOC	04/2011	APS PGE SNC
	5332 (SR/EX) Enercon Services, Inc. - Germantown, MD				
	1501 (SR/EX) ENERCON SERVICES INC. - Tulsa, OK				
	5016 (SR/EX) Enercon Services, Inc. - Mount Arlington, NJ				
1736 (SR/PR)	Energy & Process Corporation - Tucker, GA	22927	STP	03/2011	CEG NEE SNC
1504 (SR/PR)	Enertech, Curtiss-Wright Flow Control Corp - Brea, CA	22922	XEL	04/2011	CEG EXL KNP NBP SNC STP
1510 (SR/PR)	ENGINEERING PLANNING & MANAGEMENT - FRAMINGHAM, MA	22886	TVA	04/2011	AEP ENT ENW
5157 (SR/PR)	Farris Engineering - Brantford, CD	23032	FEC	01/2011	OPG XEL
1565 (SR/PR)	Flanders Filters, Inc. - Washington, NC	22857	DOM	04/2011	DPC PGN SOC
	1291 (SR/EX) FLANDERS/CSC - BATH, NC				
1897 (SR/PR)	Flowserve, Flow Control Division (Limitorque) - LYNCHBURG, VA	22846	PGN	04/2011	DPC ETN PSE SNC
4425 (SR/PR)	Furmanite America, Inc. - La Porte, TX	22885	EXL	03/2011	CEG DOM STP
	1592 (SR/EX) FURMANITE AMERICA INC.— CHARLOTTE, NC				



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1604 (SR/PR)	Garlock Sealing Technologies - PALMYRA, NY	22858	NEE	05/2011	ENT OPG PGE SOC
2341 (SR/PR)	General Atomics Electronic Systems, Inc. - SAN DIEGO, CA	22915	DOM	04/2011	APS CEG LUM STP
1619 (SR/PR)	GLOBAL NUCLEAR FUEL - AMERICAS - WILMINGTON, NC	22859	NPP	06/2011	CEG CFE DEC ENT ENW EXL FEC IBE NEE PGN SNC XEL
	5808 (SR/EX) Global Nuclear Fuel - Japan Co., Ltd. - Yokosuka-Shi, Kanagawa,				
5140 (SR/PR)	Global Quality Assurance, Inc. - Orlando, FL	22869	APS	03/2011	AEP DOM
1726 (SR/PR)	HOLTEC INTERNATIONAL - MARLTON, NJ	22926	DEC	04/2011	EXL FEC LUM PGE POR PSE TVA
	2495 (SR/EX) Holtec Manufacturing Division (HMD) - Turtle Creek, PA				
1821 (SR/PR)	Howden North America, Inc. - NEW PHILADELPHIA, OH	22856	DPC	03/2011	DEC NEE OPG
	5206 (SR/EX) Howden North America, Inc. - Columbia, SC				
1739 (SR/PR)	HydroAire, Inc. - Chicago, IL	22928	AUE	03/2011	ENT LUM NEE PGE
1801 (SR/PR)	JOHN CRANE INC. - MORTON GROVE, IL	22855	SCE	04/2011	AEP AUE ENW
4804 (SR/PR)	KCI Engineering Consultants - Downers Grove, IL	22863	WCN	05/2011	AEP PSE
5270 (SR/PR)	Kinectrics, Inc. - Toronto, ON	22872	SNC	02/2011	BPL OPG SOC
4838 (SR/PR)	LISEGA, INC. - NEWPORT, TN	22877	TVA	06/2011	BPL FEC OPP
2067 (SR/PR)	NUMERICAL APPLICATIONS - RICHLAND, WA	22940	DPC	05/2011	APS ENW
4252 (SR/PR)	Pentas Controls, Inc. - Scottsdale, AZ	22994	CEG	04/2011	PGN SNC XEL
4304 (SR/PR)	PPG Protective & Marine Coatings - Alexander, AR	22883	ENW	04/2011	NEK TVA
	5793 (SR/EX) PPG Protective & Marine Coatings - East Point, GA				
2226 (SR/PR)	RALPH A HILLER COMPANY - EXPORT, PA	22903	PSE	04/2011	ENT EXL IBE
2276 (SR/PR)	S P KINNEY ENGINEERS - CARNEGIE, PA	22910	OPP	06/2011	DPC NEK PSE
2329 (SR/PR)	S&ME, Inc. - LOUISVILLE, TN	22913	OPP	03/2011	ENT EXL
2284(SR/PR/NP)	SARGENT & LUNDY, LLC - CHICAGO, IL	22911	CEG	06/2011	DOM DPC PGE PGN SNC TVA XEL
	5359 (SR/EX) SARGENT & LUNDY, LLC - Wilmington, DE				
	5783 (SR/PR) Sargent & Lundy, LLC - Wilmington, DE				
	5784 (SR/PR) Sargent & Lundy, LLC - Chattanooga, TN				
2342 (SR/PR)	Southern Calibration & Service, Inc. - Roswell, GA	22929	NEE	06/2011	SNC SOC
2351 (SR/PR)	Southwest Research Institute - San Antonio, TX	22930	DEC	06/2011	APS DPC ENT EXL NPP OPP PGE STP WCN
4545 (SR/PR)	SSM INDUSTRIES, INC. - PITTSBURGH, PA	22879	AEP	04/2011	DEC DOM KNP
2427 (SR/PR)	Teledyne Brown Eng. Environmental Services - Knoxville, TN	22937	EXL	04/2011	NEE NPP
2424 (SR/PR)	TELEDYNE TEST SERVICES - MARION, MA	22936	ENT	05/2011	FEC PPL
1961 (SR/PR)	The Steam Generating Team (SGT) - Charlotte, NC	22850	TVA	03/2011	ENT EXL PGN
4635 (SR/PR)	TVA Central Laboratories Services - CHATTANOOGA, TN	22980	STP	01/2011	APS TVA
1461 (SR/PR)	URS Quality Programs - PRINCETON, NJ	22918	OPP	03/2011	AUE SOC
1649(SR/PR/NP)	WorleyParsons - Reading, PA	22860	PGN	05/2011	ENT PSE TVA
4524 (SR/PR)	WorleyParsons Polstar, Inc. - LOS ALTOS, CA	22878	CEG	04/2011	SNC TVA