FEB 1 5 1994

Docket Nos. 50-213, 50-245, 50-336 & 50-423

Mr. John F. Opeka Executive Vice President - Nuclear Northeast Utilities P.O. Box 270 Hartford, CT 06141-0270

Dear Mr. Opeka:

Subject:

NOVEMBER 9, 1993, MEETING CONCERNING NU ENGINEERING INTEGRATION EFFORT AND ORGANIZATIONAL CHANGES

This refers to the management meeting held with you and Mr. Richard Kacich of your staff on November 9, 1993, at the NRC Region I Office in King of Prussia, Pennsylvania. A list of attendees at the meeting is enclosed. In addition, during that meeting, you provided a handout to the NRC describing your presentation; a copy of that handout is also enclosed.

During this meeting, you and Mr. Kacich discussed NU issues and upcoming challenges, NU's status on current industry technical issues, the engineering integration effort you are planning and NU's response to the whistleblower allegations. Most importantly, you discussed your planning for the extensive number of management changes which you initiated in early December 1993 in an effort to improve organizational performance. We note that the changes you subsequently implemented were broad in scope with considerable potential impact on your organization. We will be closely monitoring your performance, particularly at Millstone, to ensure that this degree of change is managed effectively such that there are not detrimental impacts on NRC licensed activities. We also concur with your continued emphasis on performance improvement and cultural change at NU, particularly at Millstone Station.

We appreciate your efforts to keep us informed of your ongoing actions to improve performance at NU and look forward to a continuing dialogue on this subject.

Sincerely,

Lawrence T. Doerflein, Chief Division of Reactor Projects Branch 4

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Enclosures:

- 1. Attendees at the November 9, 1993, Meeting
- 2. NU Meeting Handout

cc w/encls:

S. E. Scace, Vice President, Nuclear Operations Services

D. B. Miller, Senior Vice President, Millstone Station

J. P. Stetz, Vice President, Haddam Neck Plant

H. F. Haynes, Nuclear Unit Director

R. M. Kacich, Director, Nuclear Planning, Licensing, and Budgeting

J. Solymossy, Director, Nuclear Quality and Assessment Services

Gerald Garfield, Esquire

Nicholas Reynolds, Esquire

Public Document Room (PDR)

Local Public Document Room (LPDR)

Nuclear Safety Information Center (NSIC)

NRC Resident Inspector

State of Connecticut SLO

bcc w/encl:

Region I Docket Room (with concurrences)

J. Rogge, DRP

R. Barkley, DRP

bcc w/encl (VIA E-MAIL):

J. Stolz, NRR/PD I-4

V. McCree, OEDO

D. Jaffe, PM, NRR

J. Andersen, NRR

M. Shannon, NRR/ILPB

RI:DRP Backley

Backley

1/31/94

RI:DRP

Doerflein 0100617

2/ /94

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ENCLOSURE 1

Attendees at the November 9, 1993, Meeting

NRC Attendees:

- T. Martin, Regional Administrator, Region I
- W. Kane, Deputy Regional Administrator, Region I
- R. Cooper, Director, Division of Reactor Projects (DRP)
- C. Miller, Deputy Director, Division of Reactor Safety (DRS)
- J. Durr, Chief, Engineering Branch, DRS
- R. Blough, Chief, DRP Branch 4
- L. Doerflein, Chief, DRP Section 4A
- R. Barkley, Project Engineer, DRP Section 4A
- N. Blumberg, Project Engineer, DRP Section 4A
- N. Della Greca, Senior Engineer, DRS

NU Attendees:

- J. Opeka, Executive Vice President Nuclear
- R. Kacich, Manager Nuclear Licensing

November 9 and 10, 1993,

DISCUSSION TOPICS

- NU STATUS ON CURRENT!
- ORGANIZATIONAL CHANGES
- NU AND NRC RESPONSE TO RETALIATION ALLEGATIONS
- COST BENEFICIAL LICENSING ACTIONS

r One" priorit

· CEOs on Novemb Lessons learned sn

Quality and As

Responding openly to industry inquiries

Morning Nuclear Group Senior Ma

- Increased safety status reporting

- Operability determination emphasis

- PIRs discussed in detail

- Accountability emphasis and clarity

Excerpted from 10-1-83
Enforcement Conference
Presentation

XIIIstone

- Program have bee

- Major projects for Cycle 14 Refuel Outage
 - Main Condenser Replacemen
- Hardened Wetwell Vent
 - Station Blackout
- Turbine Rotor Replacement (LP-A)
- Motor Operated Valve Program Testing

Willstone

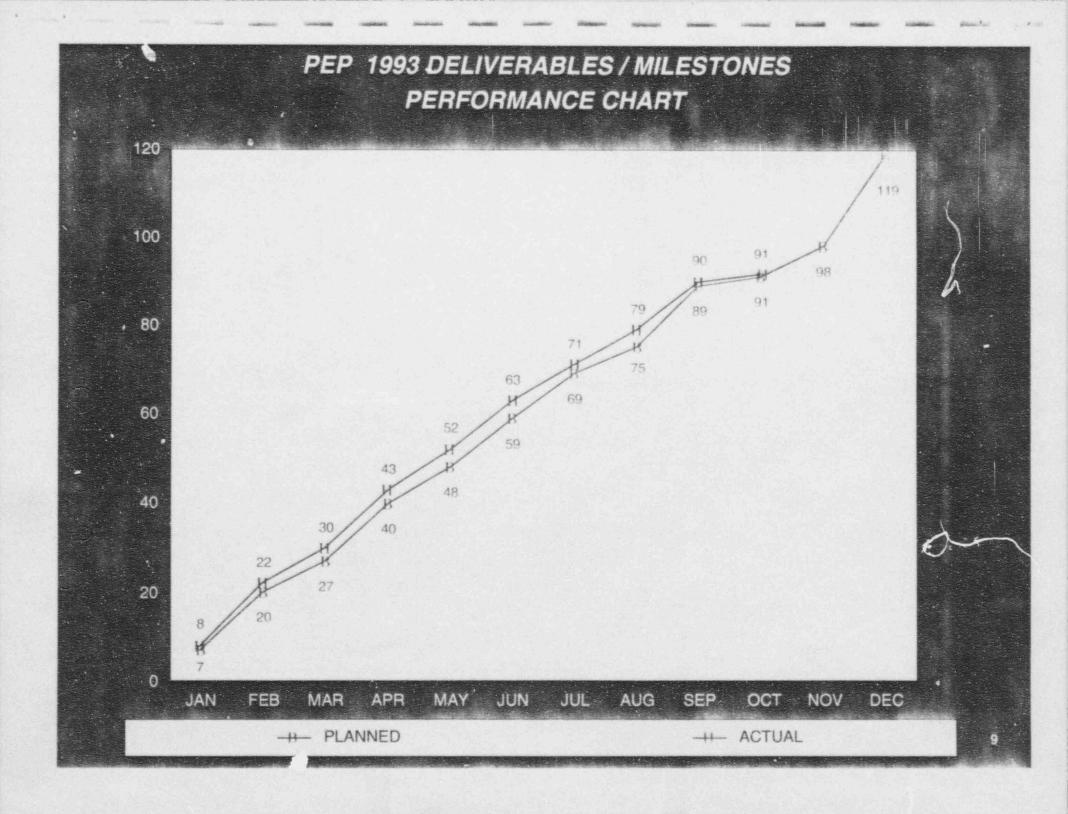
- Unit management diversity
- Unit Director from QAS and Haddam Neck
- I&C Manager from Haddam Neck
- Outage Manager from Technical Training
- reshold for Plant Information Lower reporting

Millstone 3

- Shecently completed outage
- Completed GL 89-13, Service Water
- Significant progress on GL 89-10, MOVs
- RCP replacements
- FW nozzle cracking replige
- Supplementary Leak Col
- Unit returned to service

- eactor Trip Reduction Plar ersonnel Error Response

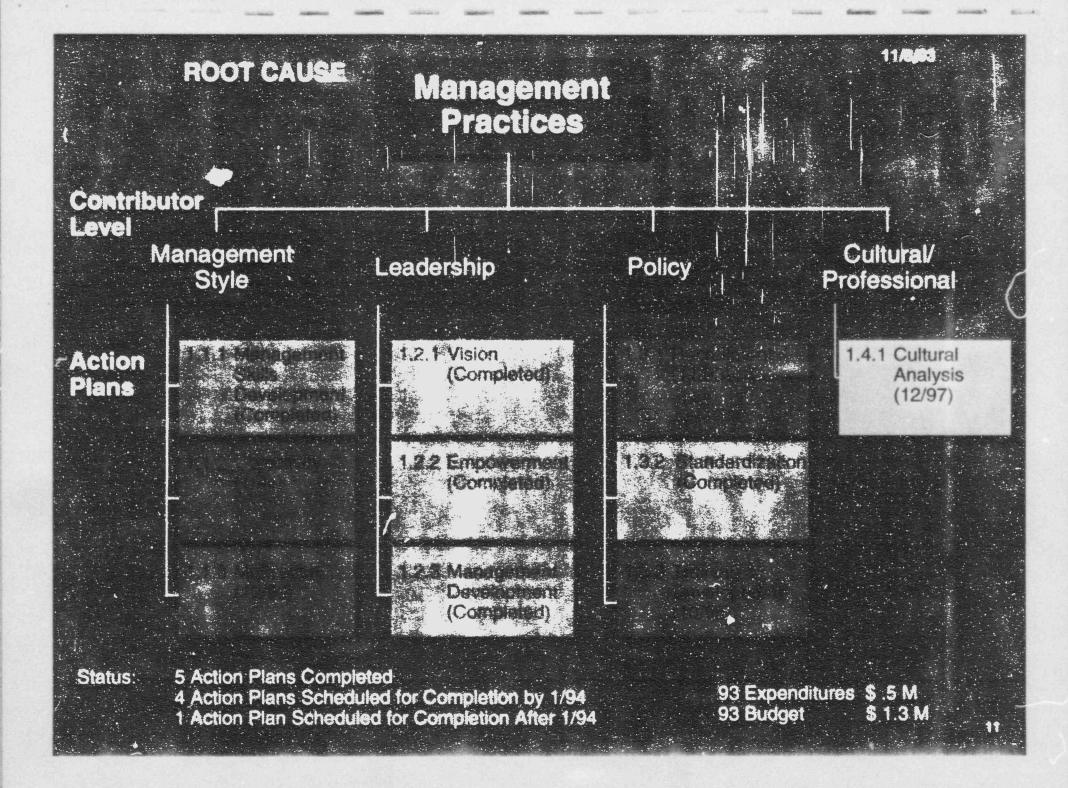
- Engineering Backlog
- Milistone 2: Complete
- -- Milistone 1: Due 12/93
- Haddam Neck: Due 12/9
- Millstone 3: Due 1996
- Procedure Upgrade
- 1137 of 4176 (27%) Procedures Upgraded
 - New Program Manuals completed
- sion, EEQ, (HELB in De - MOV, Erosion
- Design Basis



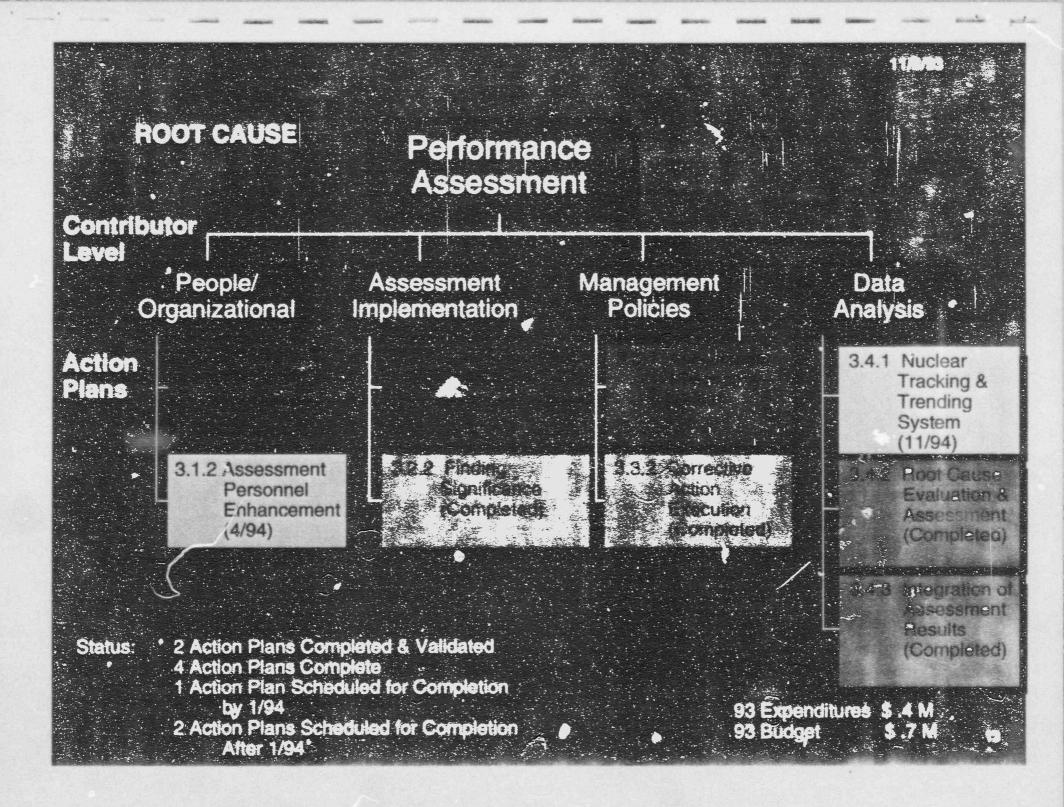
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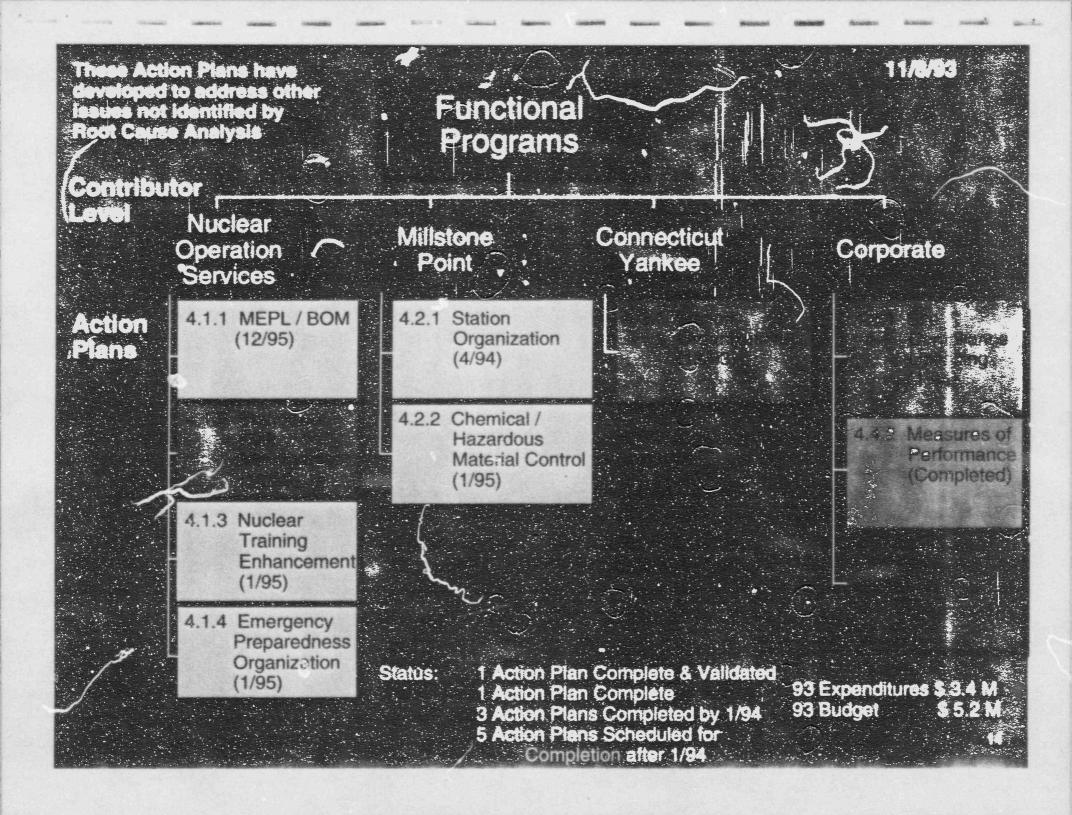
Action Plan Status

Action Plan has been completed



93 Expenditures \$ 14.5 M 93 Budget • \$ 19.3 M.





New Parts of Parts 1875

- hose select also include:
- ation Reports personnel error related Plant Inform
- License Evept Reports personnel error related
- NRC NOVs and Credities
- Incentive Program degree of emph

Measures of Performance - Nuclear

			Goal Ref.	CY	Seabrook	MPI	MP2	MP3	Northeas Nuclear
		Safety System Performance - HPSI or HPI/HR	(INPO)						
	1 5.	Safety System Performance - AFW or RHR	(INPO)					1	2000
		Safety System Performance - Emerg. AC Power	(INPO)						
	6.	Unplanned Auto. Scrams Per 7000 Hrs. Critical	(INPO)						
	7.	Fuel Reliability Index	(INPO)						
Safety	8.	Collective Radiation Exposure	(INPO)) A					
	9.	Personnel Contamination Events	(NU)						
	10.	Contaminated Areas	(NU)						
	11.	Solid Radioactive Waste	(INPO)						
	12.	Injury Statistics - Recordable	(NU)						
		Injury Statistics - Lost Work Day	(NU)						

Legend:	Previous S	tatus		
	Current Sta	atus		
A A	chieving Goal by 5% or more	Not Achieving Goal		Marginally Achieving Goal
				(achieving goal by < 5%)
	No Goal	Indica	ator N/A	

			Goal Ref.	CY	Seabrook	MPI	MP2	MP3	Northeast Nuclear
	13.	Actual vs. Planned Outage Schedule	(NU)						
	14.	NU Composite Capacity Factor	(NU)					HTE I	
	15.	Capacity Factor	(NU)						
	16.	Forced Outage Rate	(NU)	Maria a					
	17.	Actual vs. Planned Net Generation - Composite	(NU)	TO BE SEE		-51 (27)			
Reliable	18.	Actual vs. Planned Net Generation - Unit	(NU)						
Generation	19.	Thermal Performance	(INPO)						
	20.	Chemistry Index	(INPO)			4000			
	21.	Temporary Modifications Status	(NU)						
	22.	Engineering Backlog Reduction	(NU)						
	23.	Maintenance Backlog	(NU)						
	24.	Rework	(NU)			Te Fried S			

	25.	SALP Ratings	(NU)	
	26.	Trends in Nature and Number of NOV's	(NU)	
Public	27.	Trends in Plant Incident Reports - 1992	(NU)	
Confidence	28.	Trends in Plant Incident Reports - 1993	(NU)	
	29.	Non-Radiological Environmental Events	(NU)	
	30.	Trends in Employee Retention Rates	(NU)	

			Goal Ref.	CY	Seabrook	MP1	MP2	MP3	Northeast Nuclear
	31.	GUAC Capacity Factor	(NU)						
	32.	Total O&M Expense	(NU)						
	33.	O&M Expense - Northeast Nuclear	(NU)			.,,,,			
	34.	Capital Expenditures	(NU)	~~					
	35.	Connecticut Yankee Total Busbar Cost	(NU)	-				35 146	
	36.	Seubrook Total Busbar Cost	(NU)						
Financial	37.	Millstone Unit One Total Busbar Cost	(NU)					15. 12	
Performance	38.	Millstone Unit Two Total Busbar Cost	(NU)						
	39	Millstone Unit Three Total Busbar Cost	(NU)		10				752
	ag.	NU Employee Overtime Hours - % of Total Hours	(NU)						
	41.	NU Employee Staffing Levels	(NU)						
	42.	Contractor Levels	(NU)						
	43.	Productivity	(NU)						
	44.	Stock Inventory	(NU)						
	45.	Warehouse Stockouts	(NU)						

Legend:	Previous S Current S			
A	chieving Goal by 5% or more	Not Achieving Goal		Marginally Achieving Goal (achieving goal by < 5%)
	No Goal	Indica	ator N/A	

Nuclear Safety Goal Achievement Through September 30, 1993

	7	T L		2	
Safety System Perf HPSI (HPI/HR)	TES	YES	YES	YES	XX.
Safety System Perf AFW (RHR)	/ES	YES	YES	YES	YES
aty System Perf Emerg. AC Power	/ES	YES	YES	YES	×ES.
npl. Auto Scrams / 7000 Hrs. Critical	8	YES	2	*2	
Fuel Reliability	/ES	YES	YES	YES	YES
Collective Radiation Exposure	(ES	YES	YES	2	YES
Solid Radioactive Waste	3	YES	YES	YES	YES
Recordable Case Incident Rate	ES.	YES	YES	YES	YES
Lost Workday Case Includent Rate	2	247	VEX	VEG	4

D

BWR Core Shroud Childrig (N 53-79)

t of GE in

BWR Reactor V Millstone 1

Control Element Drive Mechanism Penetration Cracking

pection (Summer 1994) - Cont He

• Boraflex (IN 93-70)

- ing of co Extensive "
- e public NRC Staff and State of Con
- are evaluating IN 93-70 to increase our understanding of affex behavior
- Millstone Boraflex material 2 to 3 times th
- Safety of spent fuel pool confl

Self Assessment

- Hutionalized via Nuclear Group p

- dus and successful; - MOV Proc
- n scaled down NRC Team Ins
- eportability guidance and practices
- essment efforts being considered. Future self ass
- Service Water System Operational Perform
- Engineering Support
- NSCP Effectiveness

ENGINEERING INTEGRATION

- - safety and quality will be maintained or improv
- Four unit specific and one centralized engineering vice President
- Unit Engineering Departments:
- Improved accountability and decision-making
- System engineering being accelerated
- Unit Director focus directed toward operaffon
- More clearly defined roles and responsible
 - Reduced handoffs in accomplishing work

• Corporate Engineering

- Strategic Issues (program development)

etc.)

- Reduced size

and other

		* 3	3.8
	h. Support	5	a School
-3 Englisee Ang	P. 189		Supp Control
	Mgr. Tech. Suppe	Peston	Sup Cost & Sch
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CV Engineering	Mgr. Tech. S		Sup Cost

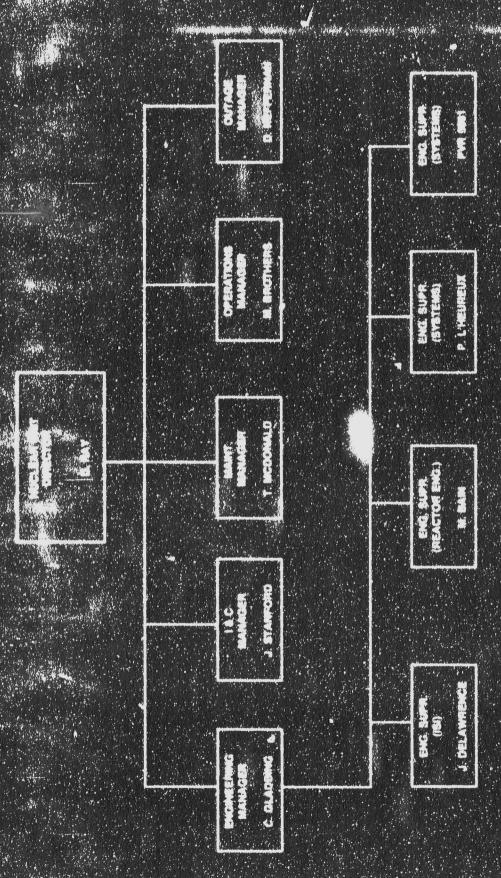
E T FAMILIE DATECTOR ENCHEENED DEPARTMENT

> MANAGER MANAGER MYTTEN MONEY

M. PLANNERO MANAGEN MECH A CIVE

MANAGER ROMEERING AND

TO SECURITY SECURITY



- Increased plant focus
- Simplified organization
- Organizational Features
- peclafized by unit
- and modification

CHGANZATIONAL CHANGES

- Major in Scots

MEANIZATIONAL CHRISTS

Extent of Change

- 84 management positions unchanged
- 59 positions, same individuals
- 23 positions, promotions
- 12 poetitions, rotational assignments
- 41 Management positions changed
- 26 positions, lateral assignments
- 2 positions, demotions

1

- Decisive management action
- Continuation of angoing culture changes

The Bottom Line:

E TO RETALATION ALLEG NO AND NEW

- e of allegations of wrongdoing calls for timely
- ly to such petitions to provide weeded to act on the petitions
- Staff action, and would be pleased to futhe
- of NRC denial of 10CFR2.206

Suggestions for the PITC Flower Team

- s brot to the NAC Share w
- Characterization of allegations
- Number of inclividuals making affegations
- Number of concerns per site or unit
- This recommendation is safety driven.
- Effective issue investigation
- More timely issue resolution
- aith of work environm m

Do not prescribe program attributes

- Do no

have developed

- utral, cost saving
- identification and di formalize the
- from the Nuclear Group population (i.e., bottom up)
- Itization process for effective resource allocation
- Millstone Unit 1 H, mobiliaring resolution is a major accompliated NPC and NU
- upport and resource allocation are n