



GPU Nuclear Corporation

One Upper Pond Road
Parsippany, New Jersey 07054
201-316-7000
TELEX 136-482
Writer's Direct Dial Number

C300-92-1789
C321-92-2177

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Gentlemen:

Subject: Oyster Creek Nuclear Generating Station
Facility License No. D'R-16
Docket No. 50-219
Cycle 14R Outage Workscope

Reference: GPU Nuclear Letter C321-92-2080 to the NRC
dated April 21, 1992, "Deferral of Isolation
Condenser Piping Stress Improvement

In the above reference, we indicated our intent and provided technical justification to defer the stress improvement of welds in the new isolation condenser piping installed during Oyster Creek's last (Cycle 13R) refueling outage. We requested the NRC staff's concurrence that this deferral would not negatively impact the application of leak-before-break technology to the piping. This letter is in response to a staff request that we provide additional information concerning the importance of the stress improvement work when viewed in relation to the other work currently being considered for the Cycle 14R refueling outage. The request was made by telephone on May 8, 1992.

Attached is a listing of projects that are being considered for the 14R outage including a short definition of their respective priority. The outage scope as currently identified bounds the resources available for the 14R outage at Oyster Creek. The work scope for the 14R outage includes projects which are regarded as higher in priority than the stress improvement of the isolation condenser piping welds and are due to NRC commitments and requirements, Technical Specification requirements, and requirements of other organizations (i.e. E.P.A., INPO, N.M.L., OSHA). This work is considered mandatory scope for the 14R outage.

9206160375 920616
PDR ADOCK 05000219
P PDR

32192177.let

100038

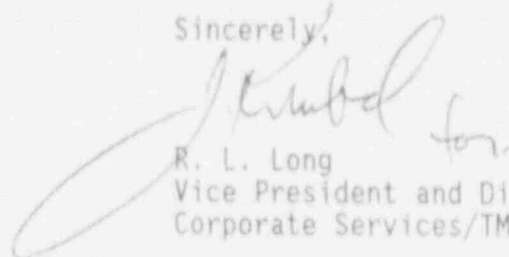
GPU Nuclear Corporation is a subsidiary of General Public Utilities Corporation

ADD 1

In addition to those projects which are NRC required, required by federal or state agencies or the insurance carrier, the listing of scope proposed for the 14R outage also contains high priority projects to improve plant reliability and material condition and reduce collective radiation exposure. Several of these projects are regarded as necessary for a reliable and safe operating cycle. Those projects not regarded as mandatory support an ongoing effort to improve equipment operability and overall material condition. These projects are considered high priority due to the productive results experienced during recent operating periods after similar efforts.

The lower priority assigned to isolation condenser weld stress improvement is based on the technical assessment which indicates a negligible potential for IGSCC-related problems in the absence of stress improvement over the next cycle or beyond.

Sincerely,



R. L. Long
Vice President and Director
Corporate Services/TMI-2

RLL/PFC/amk

Attachment

cc: Administrator, Region I
NPC Oyster Creek Project Manager
RC Oyster Creek Resident Inspector

ATTACHMENT

CYCLE 14R REFUELING OUTAGE

WORKSCOPE

14R OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY		REQUIRED BY	PRIORITY/CONCERN
			YES	NO		
32526D	ELIMINATION OF TRANSFORMER PCB FLUID	E	YES		GPUN	REDUCE CONSEQUENCES OF SPILLEMINATE EPA REGULATION REQUIREMENTS FOR PCB. SCAVENGING FLUID IS FOR TEMPORARY USE ONLY (FLUID NOT DESIGNED FOR PERMANENT USE)
32306	D.W. SCAFFOLD & INSULATION	GWC	YES		GPUN	NECESSARY TO SUPPORT REQUIRED DRYWELL WORK
40977I	CAPITAL PORTION DRYWELL SCAFFOLD-14R	GWC	YES		GPUN	NECESSARY TO SUPPORT REQUIRED DRYWELL WORK
402925B	GENERATOR PROTECTION UPGRADE	ISM	YES		GPUN	SUPPORT OF FEEDWATER MODIFICATION AND MSR GENERATOR MODIFICATION
402930	FUSE/BKR COORDINATION STUDY IMPLEMENTATION	ISM	YES		NRC	RE NOTICE JEN 88-45, ASSURES COORDINATED PLANT ELECTRICAL SYSTEM
312400A	FUNCTIONAL MAINTENANCE - 14R	MRC	YES		GPUN	TO PERFORM REQUIRED MAINTENANCE EFFORT, TECH SPEC SURVEILLANCES AND PREVENTATIVE MAINTENANCE TASKS
312400B	CONTRACTOR SUPT TO FUNCT MAINT - 14R	MRC	YES		GPUN	SUPPORT FUNCTIONAL WORKFORCE TO ACCOMMODATE ANTICIPATED WORKLOAD
32624C	VALVE MAINTENANCE & OVERHAUL-19/18/14R	MRC	YES		GPUN	REQUIRED TO IMPROVE MATERIAL CONDITION AND TO CORRECT IDENTIFIED DEFICIENCIES
32629	CRD HCU MODULE REBUILD-14R	MRC	YES		GPUN	REQUIRED TO SUPPORT SYSTEM OPERABILITY AND RELIABILITY
32632	TIP/IRAM/SRAM INSPECTION-14R	MRC	YES		GPUN	REQUIRED TO SUPPORT SYSTEM OPERABILITY AND RELIABILITY
32646A	HIGH PRESSURE TURBINE INSPECTION-14R	MRC	YES		N.M.L.	REQUIRED BY INSURANCE CARRIER
32646B	LOW PRESSURE TURBINE INSPECTION-14R	MRC	YES		N.M.L.	REQUIRED BY INSURANCE CARRIER
32646C	GENERATOR & EXCITER SYSTEMS INSF -14R	MRC	YES		N.M.L.	REQUIRED BY INSURANCE CARRIER
32646D	TURBINE CONTROLS INSPECTION-14R	MRC	YES		N.M.L.	REQUIRED BY INSURANCE CARRIER
32646E	OIL SYSTEM INSPECTION - 14R	MRC	YES		N.M.L./GPUN	REQUIRED BY INSURANCE CARRIER

14R OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY YES/NO	REQUIRED BY	PRIORITY/CONCERN
323646F	TURBINE SYSTEM -GENERAL-14R	MRC	YES	N.M.L.	REQUIRED BY INSURANCE CARRIER
323646G	TURBINE/GENERATOR OUTAGE SUPPORT-14R	MRC	YES	GPUN	REQUIRED TO MONITOR TURBINE OPERATION AND PERFORMANCE AND TO PROVIDE INCIDENTAL SERVICES TO TURBINE MAINTENANCE AND INSPECTION
323646H	TURBINE SYSTEM VALVES INSPECTION-14R	MRC	YES	N.M.L.	REQUIRED BY INSURANCE CARRIER
323646I	TURBINE SYSTEM SAFETY VALVES INSP.-14R	MRC	YES	N.M.L.	REQUIRED BY INSURANCE CARRIER
323646J	TURBINE SYSTEM ELECTROMOTORS INSP-14R	MRC	YES	N.M.L.	REQUIRED BY INSURANCE CARRIER
323650	TURB MOISTURE SEP/REHEATER INSP-14R	MRC	YES	N.M.L.	REQUIRED BY INSURANCE CARRIER
323655A	4160V BREAKER REFURBISHMENT-14R	MRC	YES	GPUNGE	INSPECTION AND REPLACEMENT TO ASSURE RELIABILITY OF SAFETY RELATED EQUIPMENT
323659	REFUEL FLOOR-RX DISASSEMBLY/REASSEMBLY	MRC	YES	GPUN	REQUIRED FOR REFUELING AND VARIOUS ACTIVITIES INSIDE THE REACTOR VESSEL
326218	MAIN CONDENSER EDDY CURRENT INSP.	MRC	YES	GPUN	MINIMIZE POTENTIAL FOR CONDENSER INLEAKAGE AND TO INVESTIGATE MATERIAL CONDITION CONCERNS
328308	RCS PIPING REPAIR CONTINGENCY	MRC	YES	GPUN	TO SUPPORT IGSCC INSPECTIONS, HISTORICALLY REPAIRS ARE REQUIRED
328321B	TORUS COATING INSPECTIONS/RESTORATION	MRC	YES	GPUN	REQUIRED TO ASSURE COATING INTEGRITY AND VERIFY COMPLIANCE WITH ASME MINIMUM WALL THICKNESS REQUIREMENTS
402937	LPRM PROCUREMENT & INSTALL 14R	MRC	YES	GPUN	REQUIRED DUE TO LPRMS WHICH REACH END OF LIFE IN CYCLE 14 AND SUPPORTS TECHNICAL SPECIFICATION REQUIREMENTS

14R OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY YES/NO	REQUIRED BY	CONCERN
402893	SHROUD HEADBOLT REPLACEMENT	MRC	YES	GPUN/E	REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF SHROUD HEADBOLTS WITH RACKS
408824A	CRD EXCHANGE (15 CRDS)	MRC	YES	GPUN	REQUIRED TO MAINTAIN RELIABILITY AND PERFORMANCE DURING SCRAM, INSTALLING IMPROVED DESIGN
408824B	CRD SHOOTOUT STEEL	MRC	YES	GPUN	TO SUPPORT CRD EXCHANGE
408824C	CRD EXCHANGE INSTRUMENT SUPPORT	MRC	YES	GPUN	TO SUPPORT CRD EXCHANGE
408862B	AGASTAT AND GE CR-120 RELAY REPLACEMENT	MRC	YES	GPUN/NRC	IE NO. 84-20 IDENTIFIED RELIABILITY CONCERNS WHICH COULD CAUSE LOSS OF SAFETY SYSTEMS
408863	CIRC. WATER PUMP & MOTOR MSP. - 14R	MRC	YES	NML	REQUIRED BY INSURANCE CARRIER, TO MAINTAIN MATERIAL CONDITION OF PUMPS, PREVENT DEGRADATION AND POSSIBLE REDUCTION IN PLANT OUTPUT
408873	MG SETS A&C 5KV FEEDER CABLE REPLACEMENT	MRC	YES	GPUN	REQUIRED TO RESTORE MATERIAL CONDITION OF CABLING WHICH HAS KNOWN DEGRADATION
3236256	MSIV INSPECTION/REPACK-14R	NRR	YES	GPUN/NRC	LEAK TESTING IS TECHNICAL SPECIFICATION REQUIRED IN ACCORDANCE WITH ASME CODE, STEM UT AND INTERNAL MODIFICATION REQUIRED BY COMMITMENT TO NRC
323630	MECHANICAL SNUBBER INSPECTION-14R	NRR	YES	NRC	REQUIRED TO BE IN COMPLIANCE WITH TECHNICAL SPECIFICATION
323631	ISI INSPECT PROGRAM MTCE SUPP. T-14R	NRR	YES	GPUN	REQUIRED TO SUPPORT ISI WHICH IS A TECHNICAL SPECIFICATION REQUIREMENT
326213A	CONT ISOLATION VALVE MAINT-14R	NRR	YES	NRC	TO REPAIR THE ILRT/LLRT FAILURES, CONTAINMENT ISOLATION VALVES ARE REQUIRED TO BE OPERABLE PER TECHNICAL SPECIFICATION
326213B	OUTAGE ISI-14R	NRR	YES	NRC	REQUIRED TO MEET THE REQUIREMENTS OF 10CFR 50.55 AS REFERENCED IN TECHNICAL SPECIFICATIONS

14R OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY YES/NO	REQUIRED BY	PRIORITY/CONCERN
326216A	RX VESSEL BELTLINE INSPECTION	NRR	YES	NRC	PROPOSED CHANGES TO 10CFR50.55 WILL REQUIRE EXAMINATION OF 100% OF THE RX VESSEL WELDS BY FEB 1995. 14R PROJECT IS TO TAKE MEASUREMENTS AND DETERMINE EQUIPMENT NEEDED FOR THE 15R INSPECTION
328295	EROSION/CORROSION PROGRAM	NRR	YES	GPUN/NRC	REQUIRED TO ADDRESS NRC GENERIC LETTER 89-08. THIS IS A PROGRAMMATIC PROJECT WITH POSITIVE EFFECT ON PUBLIC AND PERSONNEL SAFETY AND AVAILABILITY
328307	RCS AUG - IGSCC INSPECTION - 14R	NRR	YES	NRC	REQUIRED TO COMPLY WITH NUREG 0213 REV.2
328310	RX INTERNAL INSPECTION	NRR	YES	NRC/GPUN	REQUIRED TO SUPPORT 10CFR50, ASME SECTION XI AND GPUN RESPONSE TO VENDOR RECOMMENDATION
402888	RPV CAPSULE #2	NRR	YES	NRC	REQUIRED TO ENSURE COMPLIANCE WITH NRC-7 (NUREG 0822) ACTION ITEMS, PERMITS CONTINUED MONITORING OF RX VESSEL MATERIALS TO DEVELOP NEW P-T CURVES
402894	D.C. DELETION OF CONTAINMENT SPRAY AUTO ACTUATION	NRR	YES	NRC/GPUN	COMMITTED TO PERFORM THIS MODIFICATION IN 14R TO NRC. INCREASE IN SAFETY MARGINS OF THE SYSTEM, ELIMINATE THE TECHNICAL SPECIFICATION OPERABILITY RESTRICTION
402910	CR RECORDERS	NRR	YES	NRC	REQUIRED TO COMPLY WITH SUPPLEMENT 1 OF NUREG 0737
402936	CPM/DW ISO VALVE MOD TO PRECLUDE AUTO RESTART	NRR	YES	NRC	REQUIRED FOR COMPLIANCE WITH NUREG 0737 ITEM ILE.4.2(4). DECREASE OPERATOR BURDEN
402946B	CONTAINMENT ISOLATION VALVE REPLACEMENT	NRR	YES	NRC	REQUIRED TO COMPLY WITH 10CFR50 APPENDIX J TESTING REQUIREMENTS. COMMITTED TO NRC IN LETTER DATED 9/8/89
402955	PHASE II 79-14 SUPPORTS & UPGRADES	NRR	YES	NRC	MODIFICATION REQUIRED TO MEET REQUIREMENTS OF IE BULLETIN 79-14, AS WELL AS DISCREPANCIES IDENTIFIED IN NRC INSPECTION REPORT NO. 85-14
402965B	STATION BLACKOUT MODIFICATIONS	NRR	YES	NRC	PROJECT MANDATED BY THE NRC UNDER 10CFR50.63

14R OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY YES/NO	REQUIRED BY	PRIORITY/CONCERN
402968	O/C HARDENED VENT	NRR	YES	NRC	IN RESPONSE TO GENERIC LETTER 89-16 GPUN COMMITTED TO INSTALL THE HARDENED VENT MODIFICATION
408823	REA/TOR SAFETY & EMKV EXCHANGE - 14R	NRR	YES	NRC	TECHNICAL SPECIFICATION AND ASME SECTION XI REQUIREMENT
323616B	LIMIT SWITCH UPGRADE ON LIMITORQUE MOVES	ORR	YES	INPO	ONGOING PROGRAM OF UPGRADES TO SUPPORT INFO-SOER #86-2 REQUIREMENT
323651	ASBESTOS ABATEMENT - 14R	ORR	YES	OSHA/EPUN	ONGOING PROGRAM TO ASSURE COMPLIANCE WITH OSHA REGULATIONS 29CFR1910.1021 OR 1926.56, A-D TO ASSURE WORKER PROTECTION AND EFFICIENCY
3236230	DRYWELL SHIELDING 14R	RAD	YES	GPUN	REDUCE RADIATION EXPOSURE TO ALARA LEVELS
323637C	CHECK VALVE MONITORING/INSP. PROGRAM	REL	YES	INPO/EPUN	ONGOING PROGRAM OF IN-SERVICE MONITORING AND PREVENTIVE MAINTENANCE PER SOER 86-03 AND TO IMPROVE PLANT RELIABILITY AND PERFORMANCE, PREVENT DEGRADED VALVE PERFORMANCE
323672	MAIN GENERATOR EXCITER INSPECTION/REPAIR	REL	YES	GPUN	REQUIRED TO PRECLUDE A CHANCE OF A GENERATOR FAILURE, CURRENTLY THE EXCITER IS SPARKING CONTINUOUSLY
323633	EMERG SERVICE WATER PIPING INSPECTION	REL	YES	GPUN	FOLLOW UP OF PREVIOUS WORK WHERE DEGRADED PIPE CONDITIONS WERE NOTICED. WORK CAN ONLY BE PERFORMED DURING AN OUTAGE
402980C	DRYWELL CORROSION CONTROL	REL	YES	GPUN/NRC	ARRESTING CORROSION AND DEMONSTRATING DRYWELL SERVICEABILITY IN ACCORDANCE WITH APPROVED OPERATING LICENSE REQUIREMENTS. PROVIDING PRIMARY CONTAINMENT IS A FUNDAMENTAL REQUIREMENT FOR A PLANT LICENSE.
408872	REPLACEMENT OF TRUIN ROOM COOLERS	REL	YES	GPUN	ADMINISTRATIVE ALARM SETPOINT ESTABLISHED AS A SAFEGUARD TO THE HIGH TEMPERATURE ACTUATION OF MSIV CLOSURE. COOLER PERFORMANCE IS DEGRADING

14R OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY YES/NO	REQUIRED BY	PRIORITY/CONCERN
32331	RAGEMS PURGE VALVE REPLACEMENT/ALARM	E	NO		MODIFICATION WILL ENSURE REPRESENTATIVE SAMPLES AND SAFETY OF WORKERS AND PUBLIC
402905	R2 PLACE PCB CAPACITORS & NETTS	E	NO		REDUCE THE POSSIBILITY OF EXTENSIVE CLEAN-UP COSTS DUE TO CATASTROPHIC FAILURE
32328	TECH FUNCTIONS O&M MINI-MODS	GWC	NO		SMALL COST EFFECTIVE MODIFICATIONS WHICH SUPPORT THE OPERATION AND IMPROVE MAINTAINABILITY OF THE PLANT
402986A	TECH FUNCTIONS CAPITAL MINI-MODS	GWC	NO		SMALL COST EFFECTIVE MODIFICATIONS WHICH SUPPORT THE OPERATION AND IMPROVE THE MAINTAINABILITY OF THE PLANT
402978B	SNUBBER REPLACEMENT WITH RIGID STRUT	IOE	NO		REDUCES COST AND PERSONNEL EXPOSURE FOR FUTURE INSPECTIONS
323657	4804160V SWITCHGEAR MAINTENANCE - 14R	ISM	NO		MAINTENANCE EFFORT TO ASSURE PLANT MATERIAL CONDITION AND DUE TO VENDOR CONCERN REGARDING EQUIPMENT MAINTENANCE
402963	LP-A1-0 TURBINE BLADE REPLACEMENT	ISM	NO		IMPROVES MATERIAL CONDITION OF TURBINE BLADES, REDUCES FUTURE OUTAGE SCOPE, AND REDUCES COBAL INPUT TO PLANT THEREBY REDUCING FUTURE DOSE RATE #6/DUF
408847B	EMERG. DIESEL GENERATOR UPGRADES - 14R	ISM	NO		CONTINUATION OF IMPROVEMENTS STARTED IN 14R TO PREVENT DEGRADATION, IMPROVE MAINTAINABILITY, AND PROVIDE CAPABILITY FOR SURVEILLANCE REQUIREMENTS AND TO ADDRESS EMINENT REG GUIDE 1.9 REQUIREMENTS
323623	INSURPREAIR RB & TB H&V SYSTEMS	MRC	NO		WORK SCOPE TO IMPROVE MATERIAL CONDITION OF RB AND TURBINE BUILDING HEATING AND VENTILATION SYSTEMS AND SYSTEM CONTROLS
323652	FEEDWATER HEATER INSPECTION 14R	MRC	NO		ASSURE RELIABILITY AND PERFORMANCE, MONITOR MATERIAL CONDITION TO AVOID EXTREME DEGRADATION REQUIRING HEATER REPLACEMENT

14K OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY YES/NO	REQUIRED BY	PRIORITY/CONCERN
325662	RECIRC. M-G SET MAINTENANCE	MRC	NO		IMPROVE MATERIAL CONDITION OF EQUIPMENT AND IMPROVE RELIABILITY OF THE EQUIPMENT
32834B	STORAGE TANK INSPECTION	MRC	NO		TO ASSURE TANK INTEGRITY, A SMALL PERCENTAGE OF WORK IS REQUIRED BY 40CFR112 AND STATE EPA
408822	FW PUMP REPLACEMENT - 14#	MRC	NO		IMPROVE PLANT MATERIAL CONDITION AND RELIABILITY
408865	CONDENSATE & CRD PUMP MOTOR OVERHAUL	MRC	NO		TO SUPPORT MATERIAL CONDITION OF PUMP MOTORS, FAILURE COULD REDUCE PLANT OUTPUT OR REQUIRE SHUTDOWN
402951A	H2O2 ANALYZER MODIFICATION	REL	NO		VALVES AND OTHER COMPONENTS HAVE FAILED SEVERAL TIMES FORCING PLANT INTO LCO. GOAL IS TO INCREASE RELIABILITY OF SYSTEM REQUIRED BY NUREG - 0737, 0578, AND REG GUIDE 1.97
402939H	DRYWELL EXPOSURE REDUCTION MODS.	RAD	NO		ONGOING PROGRAM IMPLEMENTING MODIFICATIONS RECOMMENDED BY A DOSE REDUCTION TASK FORCE IN ORDER TO REDUCE PERSONNEL EXPOSURE IN THE DRYWELL
402940M	DRYWELL EXPOSURE REDUCTION MINI-MODS	RAD	NO		ONGOING PROGRAM IMPLEMENTING MODIFICATIONS RECOMMENDED BY A DOSE REDUCTION TASK FORCE IN ORDER TO REDUCE PERSONNEL EXPOSURE IN THE DRYWELL
402940N	DRYWELL EXPOSURE REDUCTION MINI-MODS	RAD	NO		ONGOING PROGRAM IMPLEMENTING MODIFICATIONS RECOMMENDED BY A DOSE REDUCTION TASK FORCE IN ORDER TO REDUCE PERSONNEL EXPOSURE IN THE DRYWELL
3E583F	PLANT O&M MINI-MODIFICATIONS	REL	NO		SMALL COST EFFECTIVE MODIFICATIONS WHICH SUPPORT THE OPERATION AND IMPROVE THE MAINTAINABILITY OF THE PLANT
402901B	FEEDWATER SYSTEM IMPROVEMENTS	REL	NO		REPLACING OBSOLETE CONTROL SYSTEM WHICH IS DIFFICULT TO MAINTAIN WITH SYSTEM WHICH DUPLICATES CONTROL SYSTEM AND ADDS ENHANCEMENTS

14R OUTAGE SCOPE

B/A #	PROJECT TITLE	CATEGORY	MANDATORY YES/NO	REQUIRED BY	PRIORITY/CON. TRN
402929	DIGITAL RECIRC FLOW CONTROL 14R	REL	NO		REPLACING AN ORSOLETE CONTROL SYSTEM, BEING DONE IN CONJUNCTION WITH B/A 402901 DUE TO SIMILARITIES BETWEEN THE TWO MODIFICATIONS
402996	CORE SPRAY SYSTEM UPGRADE	REL	NO		ENHANCE OPERATOR CAPABILITY TO MITIGATE A SMALL BREAK LOCA, ELIMINATE CYCLING OF PARALLEL ISOLATION VALVES CONCERN (PSC 91-007), ELIMINATE CONCERN OF UNCONTROLLED INJECTION DURING AN ATWS
406018	RBTB H ₂ O SYS U.P.C. RADE	REL	NO		WORK SCOPE TO IMPROVE MATERIAL CONDITION OF RX. AND TURBINE BUILDING HEATING AND VENTILATION SYSTEMS AND SYSTEM CONTROLS
408368	VALVE REPLACEMENT	REL	NO		TO MAINTAIN MATERIAL CONDITION OF THE PLANT AS WELL AS IMPROVE RELIABILITY, ORSOLETE OR DEGRADED VALVES TO BE REPLACED WITH IMPROVED DESIGN
408352	LIMITORQUE OPERATOR REPLACEMENT 14R	REL	NO		REQUIRED TO PREVENT DEGRADATION OR TOTAL FAILURE OF LIMITORQUES, ALSO SUPPORTS GENERIC LETTER 89-10 TESTING ON MOTOR OPERATED VALVES
408853C	PLANT CAPITAL MINI-MODIFICATIONS	REL	NO		SMALL COST EFFECTIVE MODIFICATIONS WHICH SUPPORT THE OPERATION AND IMPROVE THE MAINTAINABILITY OF THE PLANT