

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA 19101

(215) 841-5001

JOSEPH W. GALLAGHER  
VICE PRESIDENT  
NUCLEAR SERVICES

SEP 15 1988

Mr. C. E. Rossi, Director  
Division of Operational Events Assessment  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Station P1-137  
Washington, DC 20555

Docket No.: 50-352

Subject: Limerick Generating Station (LGS) Unit 1  
NRC Bulletin 88-05, dated May 6, 1988  
"Nonconforming Material Supplied by  
Piping Supplies, Inc. (PSI) at Folsom  
New Jersey and West Jersey Manufacturing  
Company (WJM) at Williamstown, New Jersey"  
Supplement 1 to Bulletin 88-05, dated  
June 15, 1988  
Supplement 2 to Bulletin 88-05, dated  
August 3, 1988

Reference: S. J. Kowalski (PECo) letter to C. E. Rossi  
(USNRC), dated July 22, 1988

Dear Mr. Rossi:

The subject NRC Bulletin, received by Philadelphia Electric Company (PECo) on May 18, 1988, and Supplements 1 and 2, received on June 22, 1988, and August 5, 1988 respectively, require holders of operating licenses to provide a written response within 120 days of receipt of the Bulletin.

The original Bulletin instructed licensees to review purchasing records for suspect materials, assure that materials comply with applicable codes or are suitable for their intended service or replace such material.

Subsequently, Supplement 1 reduced the scope of the review, established time frames for the testing program, and imposed additional reporting requirements.

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Supplement 2 temporarily suspended activities such as: document review, in-situ testing, and development of justifications for continued operation (JCO's) until further notice.

The enclosed report comprises our complete response to the specific actions delineated by Bulletin 88-05 and the subsequent supplements. The report summarizes the document review, testing, and analytical phases of the 88-05 program; specifies the various actions undertaken during each phase and compiles the results of the material and test data gathered up until the receipt of Supplement 2.

As requested by Supplements 1 and 2, we have transmitted Revision 0 of the material and test data to NUMARC. Rev. 1 of the material and testing database will be transmitted to NUMARC shortly.

If you have questions or require additional information regarding our NRC Bulletin 88-05 program, please do not hesitate to contact us.

Sincerely,



SAT/vvg/09028305

Enclosure: Report

Copy to: Addressee

W. T. Russell, Region I Administrator  
T. J. Kenny, LGS Unit 1 Senior Resident Inspector  
R. J. Clark, LGS Project Manager

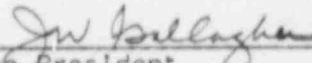
COMMONWEALTH OF PENNSYLVANIA

COUNTY OF PHILADELPHIA

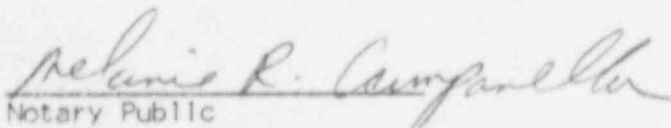
SS.

J. W. Gallagher, being first duly sworn, deposes and says:

That he is Vice President of Philadelphia Electric Company; that he has read the foregoing response to NRC Bulletin 88-05 and knows the contents thereof; and that the statements and matters set forth therein are true and correct to the best of his knowledge, information, and belief.

  
\_\_\_\_\_  
Vice President

Subscribe and sworn to  
Before me this 15<sup>th</sup> day  
of September, 1988.

  
\_\_\_\_\_  
Notary Public

**MELANIE R. CAMPANELLA**  
Notary Public, Philadelphia, Philadelphia Co.  
My Commission Expires February 12, 1990

LIMERICK GENERATING STATION (LGS)

UNIT 1

RESPONSE TO NRC BULLETIN 88-05

DOCKET NO. 50-352

SEPTEMBER 2, 1988

REV. 0

## LIMERICK GENERATING STATION UNIT 1

### RESPONSE TO NRC BULLETIN 88-05

#### PURPOSE:

This report provides a complete response to the requirements set forth by NRC Bulletin 88-05 and Supplements 1 and 2 to the Bulletin. The Bulletin 88-05 required licensees to review purchasing records to determine presence of materials supplied by Piping Supplies, Inc. (PSI) and West Jersey Manufacturing Company (WJM), provide assurance that PSI and WJM supplied materials meet the applicable codes and specification requirements or are suitable for their intended service, or replace unsuitable materials.

This report is intended to fully satisfy the 120-day written response reporting requirements of NRC Bulletin 88-05 as modified by Supplements 1 & 2.

#### SUMMARY:

In response to the Bulletin and Supplements 1 and 2 requirements, Philadelphia Electric Company (PECO), in accordance with Nuclear Management and Resources Council (NUMARC) guidelines, developed a three-phased program for Limerick Generating Station (LGS) Unit 1.

During Phase I of the program, PECO conducted an extensive review of purchase records for LGS Unit 1 to determine presence of material supplied by PSI and WJM. We have concluded that suspect material has been received at LGS Unit 1. Upon discovery of suspect material, those components determined to be in the warehouse were immediately segregated and placed on hold. Testing had begun for those components determined to be installed and accessible in safety-related systems in accordance with the Testing Program (Phase II) developed under NUMARC guidelines. Supplement 2 suspended in-situ testing before it could be completed for all suspect material identified as installed and accessible in safety-related systems.

As requested by Supplement 1, PECO made 6 calls to the NRC upon discovery of inaccessible suspect flanges or failed flanges. Justification for Continued Operation are being written in accordance with guidelines published by NUMARC (Phase III).

Attachment I to this Report summarizes the results of the document review and testing conducted until August 5, 1988.

Attachments II & III consist of the material and testing database formatted by NUMARC in response to the Bulletin reporting requirements.

SUMMARY DESCRIPTION OF LGS, UNIT 1 NRC BULLETIN 88-05 PROGRAM:

The Limerick Generating Station, Unit 1 NRC Bulletin 88-05 Program is a three-phase program which addresses the following:

- |            |   |
|------------|---|
| Phase I:   | Documentation Review  |
| Phase II:  | Testing   |
| Phase III: | Analysis of Test Results and<br>Development of Justification for<br>Continued Operation (JCO's) |

DOCUMENTATION REVIEW:

- (1) Review purchasing records for bulk material purchase of PSI and WJM manufactured/supplied fittings and flanges.
- (2) Review piping subassemblies purchase specification and purchase orders.
- (3) Review skid mounted components purchase specifications.
- (4) Determine installation status (i.e., location, accessibility, etc.,) via a review of N-5 packages for ASME III piping, Section XI repair and replacement plans, spool installation records and other pertinent installation documentation.

TESTING PROGRAM:

- (1) Develop site specific in-situ testing guidelines in accordance with NUMARC developed guidelines.
- (2) Conduct testing of accessible safety-related suspect material.

ANALYSIS & JCO's:

- (1) Analyze results of testing to determine acceptability of component.
- (2) Write qualitative JCO's for those components that have failed or have been determined to be inaccessible.

The program was developed and monitored in accordance with existing internal PECO procedures and guidelines established by NUMARC for Bulletin 88-05.

The following discusses how the program satisfies the required action items to be undertaken by the licensee. To assure clarity, the requested actions are restated below along with PECO response to each of these items.

RESPONSE TO BULLETIN & SUPPLEMENTS 1 AND 2 REQUIREMENTS:

(1) Action Requested

Review purchasing records to determine whether any PSI or WJM supplied ASME Code or ASTM material has been furnished. Supplement 1 reduced the scope from "materials" to "fittings and flanges". Supplement 2 identified another affiliated company, Chews Landing Metal Manufacturers Incorporated (CLM) who may have supplied suspect materials.

PECo Response

- (1) We have completed our review of purchase records for fittings and flanges which may have been purchased from PSI and WJM. The results of the review were incorporated into the material database established by NUMARC. Attachment II provides the results of the document review.

Phase I of LGS Unit 1 Bulletin 88-05 Program provides for the documentation review. In order to utilize our resources more efficiently and to insure that a comprehensive review was conducted, the documentation review was divided into the following three (3) categories:

- A) Bulk Purchase of Suspect Material
- B) Piping Subassemblies and In-Line Components
- C) Skid Mounted Components and Secondary Suppliers

The review of the first two categories has identified 4076 components that were purchased for Limerick Generating Station Units 1 and 2 during the time frame (1976 to present) established by the bulletin. NUMARC, acting on behalf of the industry, coordinated the review for skid mounted components or those supplied by secondary suppliers. Recently, NUMARC provided the list of secondary suppliers and components purchased to affected utilities. We have not completed the review of the above noted list for applicability to LGS. Additionally, we have not completed the review for CLM supplied materials.

(2) Action Requested

For ASME Code and ASTM materials furnished by PSI or WJM that are either not yet installed in safety-related systems at your facility or are installed in safety-related systems of plants under construction, the following actions are requested: (perform action a and either action b or c).

- a. Provide a list of WJM and PSI supplied materials that are found not to be in conformance with the applicable code requirements or procurement specifications and identify the applications in which these materials are used or will be used. Include the material specification, the nature of the component (e.g., pipe flange), size and pressure rating; also indicate the chain of purchase, and either,
- b. Take actions that provide assurance that all received materials comply with ASME Code Section III, ASTM, and applicable procurement specification requirements, or that demonstrate that such materials are suitable for the intended service. For example, this program should include specific verification that austenitic stainless steels have been received in a non-sensitized condition, or,
- c. Replace all questionable fittings and flanges with materials that have been manufactured in full compliance with ASME Code Section III, ASTM, and the applicable procurement specification requirements.

Supplement 1 reduced the scope of the review from "materials" to "fittings and flanges".

PECo Response

- 2a. PECO is a participating member of the NUMARC 88-05 Program. The NUMARC program established the scope of the documentation review, determined testing priorities for operating plants, and issued acceptance criteria for testing to be used by the industry to comply with the Bulletin's requirements.

NUMARC developed a generic format for the material database to be used by all member utilities. The database includes several fields designating material specification, nature of component, size, pressure rating and chain of purchase.

Attachment II, Rev. 1 contains the results of our documentation review. The original data (Rev. 0) was transmitted to NUMARC on August 18, 1988.

- 2b. In accordance with NUMARC guidelines, we have developed a well defined, quality assured, testing program to assure conformance of suspect material to applicable codes or to determine acceptability of the suspect material. In addition to the generic material database, NUMARC also created a generic testing database for industry use.



Several guidelines established by NUMARC and accepted by the NRC include:

- Use of the Equotip Hardness Tester for in-situ hardness testing of flanges and fittings.
- For operating plants, field testing priority to be placed on flanges and fittings installed and accessible on safety-related systems.

Our testing program initially focused on installed, accessible safety related components. However to assure adequacy of our testing procedures, testing was conducted on 37 PSI or WJM flanges which were in the warehouse. The data was transmitted to the NRC via the reference letter. Attachment III contains the results of the in-situ hardness testing and chemical testing conducted on fittings from the suspect flanges. Attachment I summarizes the data from Attachments II & III.

- 2c. The actions described in 2b above preclude any replacement of questionable fittings and flanges. Additionally, PECO will not install components which are suspect.

(3) Action Requested

For ASME Code and ASTM materials furnished by WJM or PSI already installed in safety-related systems in operating plants, the following actions are requested:

- a. Provide a list of the WJM and PSI supplied materials that are found not to be in conformance with the applicable code requirements or procurement specifications and identify the applications in which the materials are used. Include the material specification, the nature of the component (e.g., pipe flange), size, and pressure rating; also indicate the chain of purchase.
- b. Take actions requested in 2b or 2c above. However, an evaluation should be undertaken prior to replacing questionable material in accordance with 2c above that considers the occupational radiation exposure that would be received during the replacement process. This evaluation should be considered in developing the method and timing of material replacements.
- c. Document and maintain for inspection a basis for continued plant operation if the program requested in item 3b has not been completed within 120 days of the date of receipt of this bulletin.

Supplement 1 reduced the scope of paragraph 3 of Bulletin 88-05 from ASME and ASTM "materials" to ASME and ASTM "flanges and fittings". For ASME and ASTM flanges and fittings furnished by PSI and WJM already installed in safety-related systems in operating plants, the following actions are requested by Supplement 1:

- a. Commence appropriate testing of accessible flanges and fittings promptly to identify conformance of materials to ASME and ASTM material specifications. Test results for flanges and fittings reported to be from the same heat should be compared for consistency and for conformance to the ASME/ASTM specifications and to values listed on material CMTRs. Any deviation from the specification requires an appropriate analysis justifying continued operation.
- b. If any inaccessible flanges or fittings are identified, an analysis must be performed justifying continued operation.
- c. All other provisions of paragraph 3 of Bulletin 88-05 remain in effect.

Supplement 2 temporarily suspended the above listed activities.

#### PECo Response

- 3a) As stated in Item 2 above, we have developed a list of suspect materials. The conformance of suspect materials to the applicable material specification was being determined via the testing program. Thus far, we have developed and implemented a well defined, quality assured, testing program for in-situ testing of suspect materials in accordance with existing internal PECO procedures and generic NUMARC guidelines.

As noted earlier, we have sent NUMARC material and test data to conduct the appropriate comparisons. Attachments II and III contain the newly revised material and test data which will be transmitted to NUMARC soon. There are 209 suspect flanges installed in safety related systems at LGS Unit 1. 44 flanges have been tested by using Equotip Hardness Tester. 8 flanges failed due to high hardness (greater than 187 BHN); 5 flanges failed due to low hardness (less than 137 BHN). We notified the NRC of the 13 failed flanges within the allocated time frame established by Supplement 1.

- 3b) In addition to the 13 failed flanges, we have identified three inaccessible flanges installed in safety related systems. We notified the NRC of the inaccessible flanges within the allocated time frame established by Supplement 1.

3c) Justifications for continued operation have been written for two inaccessible flanges. Despite the temporary suspension of field activities we are completing our efforts to develop JCO's for inaccessible or failed flanges found to date to close our internal records. As requested by Supplement 1, the JCO's will be filed and maintained for inspection.

(4) Action Requested

For any PSI and WJM supplied materials having suspect CMTRs and used in systems that are not safety-related, take actions commensurate with the function to be performed.

Supplement 1 provides the following instructions:

For flanges and fittings already identified as having been supplied by PSI or WJM, the actions requested in 3a and 3b above are to be completed within 30 days of receipt of this supplement. For flanges and fittings identified after receipt of this supplement, the actions requested in 3a and 3b above are to be completed within 30 days of identifying the flanges or fittings as being supplied by PSI and WJM.

Supplement 2 temporarily suspended the above listed activities for operating plants.

PECo Response

We have completed testing of those flanges already identified as accessible and installed in safety-related systems within the time frame established by Supplement 1. A higher priority on safety-related systems precluded any testing on non-safety-related suspect flanges prior to the temporary suspension of field activities.

(5) Action Requested

Addressees are requested to retain nonconforming materials and maintain for inspection the documentation of the specific actions taken for the identified materials until advised further by the NRC. Nonconforming materials should be segregated to ensure that they are not inadvertently used.

PECo Response

We have segregated and retained the suspect materials as requested above. Documentation pertaining to the specific actions undertaken for the identified materials will be maintained for inspection.

(6) Action Requested

For operating plants, all scheduled actions should be completed before a restart from the next major outage starting after 180 days from the date of receipt of this bulletin. For plants under construction all scheduled actions and the reporting required by 2 below should be completed prior to the planned fuel load date. If any addressee cannot meet this schedule, they should justify to the NRC their proposed alternative schedule.

Supplements 1 & 2 further instruct:

Addressees are encouraged to report the results of tests of PSI and WJM supplied flanges and fittings to the INPO Nuclear Network for dissemination to the industry.

PECo Response

As noted earlier, the material and test results (Rev. 0) have been sent to NUMARC. Rev. 1 of the material and test results will also be transmitted to NUMARC. This report satisfies the required 120 day written response requested by the NRC.

ATTACHMENT I

SUMMARY OF DOCUMENT REVIEW AND TEST RESULTS

	<u>No.</u>
Suspect Components Purchased for LGS Units 1 and 2	4076
Suspect Flanges Installed in Safety-Related Systems at LGS Unit 1	209
Flanges Tested/Accessible and Installed in Safe., Related Systems	44
Failure Due to High Hardness (greater than 187 BHN)	8
Failure Due to Low Hardness (less than 137 BHN)	5
Inaccessible Flanges	3

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ATTACHMENT II  
MATERIAL DATABASE  
FOR  
LIMERICK GENERATING STATION UNIT 1

LEGEND:

GA: Guyon Alloys  
SPS: Standard Pipe Supply  
LPC: Lewis P. Canuso  
ITT: ITT Grinnell  
CP: Consolidated Power

NUMARC DATA SENT 9/15/88  
DATABASE NRCM.DBF  
LGS UNIT 1

PLANT	U LINE N ITEM I T	T R A N	DIAM C O M M	RATING TYPE	S GRADE P E C	S HEAT LOT C H D	CMTR DATE	V S <sub>0</sub> RCE E N D	SUPPLY 1	A N S C # A R
LGS	1 0001		1.00	FLG 900 RF, SW	105 SA-105	160 834	06-17-82	W WJM	SPS	2 Y
LGS	1 0002		1.00	FLG 900 RF, SW	105 SA-105	160 834S	06-17-82	W WJM	SPS	2 Y
LGS	1 0003		1.00	FLG 900 RF, SW	105 SA-105	160 834S	06-17-82	W WJM	SPS	2 Y
LGS	1 0004		1.00	FLG 900 RF, SW	105 SA-105	160 834S	06-17-82	W WJM	SPS	2 Y
LGS	1 0005		2.00	FLG 150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0006		2.00	FLG 150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0007		1.00	FLG 150 RF, SW	105 SA-105	80 53596	08-13-86	W WJM	LPC	2 Y
LGS	1 0008		1.00	FLG 150 RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0009		1.00	FLG 150 RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0010		1.00	FLG 150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0011		1.00	FLG 150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0012		1.00	FLG 150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0013		1.00	FLG 150 RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0014		1.00	FLG 150 RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0015		16.00	FLG 150 WN, RF	105 SA-105	1 ETMF	05-10-82	W WJM	SPS	2 Y
LGS	1 0016		16.00	FLG 150 WN, RF	105 SA-105	2 223608	07-03-84	W WJM	GA	2 Y
LGS	1 0017		16.00	FLG 150 WN, RF	105 SA-105	1 ETMF	05-10-82	W WJM	SPS	2 Y
LGS	1 0018		1.00	FLG 150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0019		1.00	FLG 150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0020		2.00	FLG 150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0021		2.00	FLG 150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0022		1.00	FLG 150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0023		1.00	FLG 150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0024		2.00	FLG 150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0025		2.00	FLG 150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0026		2.00	FLG 150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0027		2.00	FLG 150 RFM, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0028		6.00	FLG 150 WN, RF	105 SA-105	40 GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0029		6.00	FLG 150 WN, RF	105 SA-105	40 GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0030		6.00	FLG 150 WN, RF	105 SA-105	40 GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0031		6.00	FLG 150 WN, RF	105 SA-105	1 CND	01-09-86	W WJM	LPC	2 Y
LGS	1 0032		1.25	FLG 150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0033		1.25	FLG 150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0034		1.25	FLG 150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0035		1.25	FLG 150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0036		1.25	FLG 150 RF, SW	105 SA-105	80 58F	04-29-81	W WJM	GA	2 Y
LGS	1 0037		1.25	FLG 150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0038		1.25	FLG 150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0039		1.25	FLG 150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0040		20.00	FLG 150 WN, RF	105 SA-105	2 12432	10-17-83	W WJM	LPC	2 Y
LGS	1 0041		14.00	FLG 600 RJ, OR	105 SA-105	100 11913	03-31-83	W WJM	GA	2 Y
LGS	1 0042		14.00	FLG 600 RJ, OR	105 SA-105	100 5183	03-31-83	W WJM	GA	2 Y
LGS	1 0043		4.00	FLG 600 RJ, OR	105 SA-105	80 7565	01-21-83	W WJM	SPS	2 Y
LGS	1 0044		4.00	FLG 600 RJ, OR	105 SA-105	80 7565	01-21-83	W WJM	SPS	2 Y
LGS	1 0045		4.00	FLG 600 RJ, OR	105 SA-105	80 22073	06-02-82	W WJM	GA	2 Y
LGS	1 0046		4.00	FLG 600 RJ, OR	105 SA-105	80 22073	06-02-82	W WJM	GA	2 Y

NUMARC DATA SENT 9/15/88  
DATABASE NRCM.DBF  
LGS UNIT 1

PLANT	U LINE	T	DIAM	C	RATING	TYPE	S GRADE	S HEAT	LOT	CMTR	V SOURCE	SUPPLY	A N
	N ITEM	R	O	F			P	C		DATE	E	?	S C
	I	A	F				E	H			N		M A
	T	N	M				C	D			D		E
LGS	1 0047		1.00	FLG	600	RF, SW	105 SA-105	160	GDKD	05-10-82	W WJM	SPS	2 Y
LGS	1 0048		3.00	FLG	150	WN, RF	105 SA-105	1	2578	11-19-79	W WJM	ITT	2 Y
LGS	1 0049		20.00	FLG	150	WN, RF	105 SA-105	2	12432	10-17-83	W WJM	LPC	2 Y
LGS	1 0050		30.00	FLG	150	WN, RF	105 SA-105	20	10707	08-18-82	W WJM	SPS	2 Y
LGS	1 0051		4.00	FLG	150	WN, RF	105 SA-105	40	GDBW	06-02-82	W WJM	GA	2 Y
LGS	1 0052		0.75	FLG	600	RJ, SW	105 SA-105	160	44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0053		0.75	FLG	600	RJ, SW	105 SA-105	160	44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0054		1.00	FLG	150	RF, SW	105 SA-105	80	M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0055		1.00	FLG	150	RF, SW	105 SA-105	80	M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0056		0.75	FLG	600	RJ, SW	105 SA-105	160	44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0057		0.75	FLG	600	RJ, SW	105 SA-105	160	44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0058		0.75	FLG	600	RJ, SW	105 SA-105	160	44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0059		0.75	FLG	150	RF, SW	105 SA-105	160	64C	04-29-81	W WJM	GA	2 Y
LGS	1 0060		0.75	FLG	150	RF, SW	105 SA-105	160	64C	04-29-81	W WJM	GA	2 Y
LGS	1 0061		0.75	FLG	150	RF, SW	105 SA-105	160	64C	04-29-81	W WJM	GA	2 Y
LGS	1 0062		0.75	FLG	150	RF, SW	105 SA-105	160	64C	04-29-81	W WJM	GA	2 Y
LGS	1 0063		3.00	FLG	150	WN, RF	105 SA-105	1	2578	11-19-79	W WJM	ITT	2 Y
LGS	1 0064		4.00	FLG	150	WN, RF	105 SA-105	40	GDBW	06-02-82	W WJM	GA	2 Y
LGS	1 0065		2.00	FLG	150	RF, SW	105 SA-105	80	COX	10-20-86	W WJM	GA	2 Y
LGS	1 0065		2.00	FLG	150	RF, SW	105 SA-105	80	COX	10-20-86	W WJM	GA	2 Y
LGS	1 0067		2.00	FLG	150	RF, SW	105 SA-105	80	COX	10-20-86	W WJM	GA	2 Y
LGS	1 0068		2.00	FLG	150	RF, SW	105 SA-105	80	COX	10-20-86	W WJM	GA	2 Y
LGS	1 0069		2.00	FLG	150	RF, SW	105 SA-105	80	COX	10-20-86	W WJM	GA	2 Y
LGS	1 0070		2.00	FLG	150	RF, SW	105 SA-105	80	COX	10-20-86	W WJM	GA	2 Y
LGS	1 0071		3.00	FLG	150	WN, RF	105 SA-105	1	T2043	06-05-79	W WJM	ITT	2 Y
LGS	1 0072		3.00	FLG	150	WN, RF	105 SA-105	1	T2043	06-05-79	W WJM	ITT	2 Y
LGS	1 0073		6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0074		6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0075		6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0076		6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0077		1.00	FLG	300	RF, SW	105 SA-105	80	GDKG	08-02-82	W WJM	SPS	2 Y
LGS	1 0078		3.00	FLG	150	WN, RF	105 SA-105	1	2578	11-19-79	W WJM	ITT	2 Y
LGS	1 0079		4.00	FLG	150	WN, RF	105 SA-105	40	GDBW	06-02-82	W WJM	GA	2 Y
LGS	1 0080		1.00	FLG	150	RF, SW	105 SA-105	80	A79	04-29-81	W WJM	GA	2 Y
LGS	1 0081		1.00	FLG	150	RF, SW	105 SA-105	80	A79	04-29-81	W WJM	GA	2 Y
LGS	1 0082		1.00	FLG	150	RF, SW	105 SA-105	80	M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0083		6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0084		6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0085	C	6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	T TF	SPS	2 Y
LGS	1 0086		6.00	FLG	150	WN, RF	105 SA-105	40	GD1B	05-24-82	W WJM	SPS	2 Y
LGS	1 0087		1.00	FLG	300	RF, SW	105 SA-105	80	GDKG	08-02-82	W WJM	SPS	2 Y
LGS	1 0088		3.00	FLG	150	WN, RF	105 SA-105	1	T2043	06-05-79	W WJM	ITT	2 Y
LGS	1 0089		3.00	FLG	150	WN, RF	105 SA-105	1	T2043	06-05-79	W WJM	ITT	2 Y
LGS	1 0090		3.00	FLG	150	WN, RF	105 SA-105	1	T2043	06-05-79	W WJM	ITT	2 Y
LGS	1 0091		3.00	FLG	150	WN, RF	105 SA-105	1	T2043	06-05-79	W WJM	ITT	2 Y
LGS	1 0092		0.75	FLG	150	RF, SW	105 SA-105	160	64C	04-29-81	W WJM	GA	2 Y



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LGS UNIT 1

PLANT	U LINE	T	DIAM	C	RATING	TYPE	S GRADE	S HEAT	LOT	CMTR	V SOURCE	SUPPLY	A N
	N ITEM	R		O			P	C		DATE	E	1	S C
	I	A		M			E	h			N		M A
	T	N		K			C	D			D		E
LGS	1 0093		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0094		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0095		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0096		2.00	FLG	150	RF, SW	105	SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0097		2.00	FLG	150	RF, SW	105	SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0098		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0099		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0100		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0101		0.70	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0102		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0103		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0104		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0105		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0106		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0107		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0108		1.00	FLG	150	RF, SW	105	SA-105	80 M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0109		1.00	FLG	150	RF, SW	105	SA-105	80 M922601	02-10-83	W WJM	CAP	2 Y
LGS	1 0110		1.00	FLG	900	RF, SW	105	SA-105	160 834	06-17-82	W WJM	SPS	2 Y
LGS	1 0111		1.00	FLG	900	RF, SW	105	SA-105	160 834	06-17-82	W WJM	SPS	2 Y
LGS	1 0112		1.00	FLG	900	RF, SW	105	SA-105	160 834	06-17-82	W WJM	SPS	2 Y
LGS	1 0113		0.75	FLG	300	RF, SW	105	SA-105	160 G00E	04-15-82	W WJM	SPS	2 Y
LGS	1 0114		0.50	FLG	600	RF, SW	105	SA-105	3 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0115		0.50	FLG	600	RF, SW	105	SA-105	3 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0116		6.00	FLG	150	WN, FF	105	SA-105	40 114A9	02-13-81	W WJM	GA	2 Y
LGS	1 0117		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0118		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0119		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0120		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0121		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0122		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0123		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0124		0.75	FLG	150	RF, SW	105	SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0125		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0126		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0127		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0128		1.25	FLG	150	RF, SW	105	SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0129		4.00	FLG	150	WN, RF	105	SA-105	40 G08W	06-02-82	W WJM	GA	2 Y
LGS	1 0130		6.00	FLG	150	WN, RF	105	SA-105	1 CND	01-09-86	W WJM	LPC	2 Y
LGS	1 0131		6.00	FLG	150	WN, RF	105	SA-105	40 G01B	05-24-82	W WJM	SPS	2 Y
LGS	1 0132		6.00	FLG	150	WN, RF	105	SA-105	40 G01B	05-24-82	W WJM	SPS	2 Y
LGS	1 0133		6.00	FLG	150	WN, RF	105	SA-105	40 G01B	05-24-82	W WJM	SPS	2 Y
LGS	1 0134		6.00	FLG	150	BLD	105	SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0135		6.00	FLG	150	WN, RF	105	SA-105	40 G01B	05-24-82	W WJM	SPS	2 Y
LGS	1 0136		6.00	FLG	150	BLD	105	SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0137		6.00	FLG	150	BLD	105	SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0138		30.00	FLG	150	WN, RF	105	SA-105	20 10707	08-18-82	W WJM	SPS	2 Y

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 LGS UNIT 1

PLANT	U LINE N ITEM I T	T R A N	DIAM O M H	C O M H	RATING TYPE	S GRADE P E C	S HEAT LOT C H C	CNTR DATE	V SOURCE E N D	SUPPLY 1	A N S C M A E
LGS	1 0137		16.00	FLG	300 WN, RF	105 SA-105	2 223608	07-03-84	W WJM	GA	2 Y
LGS	1 0140		16.00	FLG	300 WN, RF	105 SA-105	2 223608	07-03-84	W WJM	GA	2 Y
LGS	1 0141		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0142		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0143		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0144		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0145		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0146		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0147		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0148		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0149		10.00	FLG	300 WN, RF	105 SA-105	40 ETPT	05-24-82	W WJM	SPS	2 Y
LGS	1 0150		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0151		10.00	FLG	300 WN, RF	105 SA-105	40 ETPT	05-24-82	W WJM	SPS	2 Y
LGS	1 0152		10.00	FLG	300 WN, RF	105 SA-105	40 4660	11-23-81	W WJM	SPS	2 Y
LGS	1 0153		2.00	FLG	150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0154		2.00	FLG	150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y
LGS	1 0155		1.00	FLG	150 RF, SW	105 SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0156		1.00	FLG	150 RF, SW	105 SA-105	160 64C	04-29-81	W WJM	GA	2 Y
LGS	1 0157		1.00	FLG	150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0158		1.00	FLG	150 RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2 Y
LGS	1 0159		1.25	FLG	150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0160		1.25	FLG	150 RF, SW	105 SA-105	80 GDDF	08-04-81	W WJM	SPS	2 Y
LGS	1 0161		6.00	FLG	150 WN, RF	105 SA-105	40 GD19	05-24-82	W WJM	SPS	2 Y
LGS	1 0162		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0163		20.00	FLG	150 WN, RF	105 SA-105	2 12432	10-17-83	W WJM	LPC	2 Y
LGS	1 0164		20.00	FLG	150 WN, RF	105 SA-105	2 12432	10-17-83	W WJM	LPC	2 Y
LGS	1 0165		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0166		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0167		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0168		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0169		6.00	FLG	150 WN, RF	105 SA-105	40 GD18	05-24-82	W WJM	SPS	2 Y
LGS	1 0170		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0171		6.00	FLG	150 WN, RF	105 SA-105	40 GD18	05-24-82	W WJM	SPS	2 Y
LGS	1 0172		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0173		6.00	FLG	150 WN, RF	105 SA-105	40 GD18	05-24-82	W WJM	SPS	2 Y
LGS	1 0174		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0175		6.00	FLG	150 WN, RF	105 SA-105	40 GD18	05-24-82	W WJM	SPS	2 Y
LGS	1 0176		6.00	FLG	150 BLD	105 SA-105	2 17508	06-01-83	W WJM	GA	2 Y
LGS	1 0177		0.75	FLG	600 RJ, OR	105 SA-105	160 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0178		0.75	FLG	600 RJ, OR	105 SA-105	160 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0179		0.75	FLG	600 RJ, OR	105 SA-105	160 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0180		0.75	FLG	600 RJ, OR	105 SA-105	160 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0181		0.75	FLG	600 RJ, OR	105 SA-105	160 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0182		0.50	FLG	600 RJ, OR	105 SA-105	3 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0183		0.50	FLG	600 RJ, OR	105 SA-105	3 44266	01-07-83	W WJM	SPS	2 Y
LGS	1 0184		2.00	FLG	150 RF, SW	105 SA-105	80 GDFR	05-24-82	W WJM	SPS	2 Y

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LGS UNIT 1

PLANT	U N I T	LINE ITEM	T R A N	DIAM O M M	C O M M	RATING	TYPE	S P E C	GRADE	S C H D	HEAT	LOT	CMTR DATE	V E N D	SOURCE	SUPPLY 1	A S C A E
LGS	1	0185		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0186		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0187		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0188		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0189		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0190		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0191		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0192		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0193		1.00	FLG	150	FF, SW	105	SA-105	80	A79		04-29-81	W	WJM	GA	2 Y
LGS	1	0194		1.25	FLG	150	RF, SW	105	SA-105	80	GDFR		08-04-81	W	WJM	SPS	2 Y
LGS	1	0195		2.00	FLG	150	RF, SW	105	SA-105	80	GDFR		05-24-82	W	WJM	SPS	2 Y
LGS	1	0196		6.00	FLG	150	WN, RF	105	SA-105	40	GD1B		05-24-82	W	WJM	SPS	2 Y
LGS	1	0197		0.75	FLG	150	RF, SW	105	SA-105	160	64C		04-29-81	W	WJM	GA	2 Y
LGS	1	0198		0.75	FLG	150	RF, SW	105	SA-105	160	64C		04-29-81	W	WJM	GA	2 Y
LGS	1	0199		3.00	FLG	150	WN, FF	105	SA-105	40	GDFV		05-24-82	W	WJM	SPS	2 Y
LGS	1	0200		3.00	FLG	150	WN, FF	105	SA-105	40	GDFV		05-24-82	W	WJM	SPS	2 Y
LGS	1	0201		3.00	FLG	150	WN, FF	105	SA-105	40	GDFV		05-24-82	W	WJM	SPS	2 Y
LGS	1	0202		3.00	FLG	150	WN, FF	105	SA-105	40	GDFV		05-24-82	W	WJM	SPS	2 Y
LGS	1	0203		18.00	FLG	300	WN, RF	105	SA-105	1	9772		05-01-86	W	WJM	LPC	2 Y
LGS	1	0204		18.00	FLG	300	WN, RF	105	SA-105	1	9772		05-01-86	W	WJM	LPC	2 Y
LGS	1	0205		18.00	FLG	300	WN, RF	105	SA-105	1	9772		05-01-86	W	WJM	LPC	2 Y
LGS	1	0206		18.00	FLG	300	WN, RF	105	SA-105	1	9772		05-01-86	W	WJM	LPC	2 Y
LGS	1	0207		18.00	FLG	300	WN, RF	105	SA-105	2	1753		02-06-87	W	PSI	LPC	2 Y
LGS	1	0208		18.00	FLG	300	WN, RF	105	SA-105	2	1753		02-06-87	W	PSI	LPC	2 Y
LGS	1	0209		18.00	FLG	300	WN, RF	105	SA-105	1	9772		05-01-86	W	WJM	LPC	2 Y
LGS	1	0210		18.00	FLG	300	WN, RF	105	SA-105	1	9772		05-01-86	W	WJM	LPC	2 Y
LGS	1	0211		1.00	FLG	150	RF, SW	105	SA-105	80	53596		08-13-86	W	WJM	LPC	2 Y
LGS	1	0212		1.00	FLG	150	RF, SW	105	SA-105	80	53596		08-13-86	W	WJM	LPC	2 Y
LGS	1	0213		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0214		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0215		1.00	FLG	150	RF, SW	105	SA-105	80	53596		08-13-86	W	WJM	LPC	2 Y
LGS	1	0216		0.75	FLG	150	RF, SW	105	SA-105	160	64C		04-29-81	W	WJM	GA	2 Y
LGS	1	0217		0.75	FLG	150	RF, SW	105	SA-105	160	64C		04-29-81	W	WJM	GA	2 Y
LGS	1	0218		0.75	FLG	150	RF, SW	105	SA-105	160	64C		04-29-81	W	WJM	GA	2 Y
LGS	1	0219		0.75	FLG	150	RF, SW	105	SA-105	160	64C		04-29-81	W	WJM	GA	2 Y
LGS	1	0220		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0221		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0222		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0223		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0224		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0225		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0226		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0227		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	W	WJM	CAP	2 Y
LGS	1	0228	C	1.00	FLG	150	RF, SW	105	SA-105	80	A79		02-10-83	W	WJM	CAP	2 Y
LGS	1	0229	C	1.00	FLG	150	RF, SW	105	SA-105	80	A79		02-10-83	W	WJM	CAP	2 Y
LGS	1	0230		1.00	FLG	150	RF, SW	105	SA-105	80	M922601		02-10-83	T	TF	CAP	2 Y

NUMARC DATA SENT 9/15/88  
 DATABASE NRCM.DBF  
 LGS UNIT 1

PLANT	LINE	T	DIAM	C	RATING	TYPE	S GRADE	S HEAT LOT	CMTR	V SOURCE	SUPPLY	A	Q
	N ITEM	R		O			P	C	DATE	E	1	S	C
	I	A		M			E	H		N		M	A
	T	N		M			C	D		D		E	
LGS	1 0231		1.00	FLG	150	RF, SW	105 SA-105	80 M922601	02-10-83	T TF	CAP	2	Y
LGS	1 0232	C	1.00	FLG	150	RF, SW	105 SA-105	80 A79	02-10-83	W WJM	CAP	2	Y
LGS	1 0233		1.00	FLG	150	RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2	Y
LGS	1 0234		1.00	FLG	150	RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2	Y
LGS	1 0235		1.00	FLG	150	RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2	Y
LGS	1 0236		10.00	FLG	600	RF, OR	105 SA-105	100 217538	04-04-86	W WJM	CAP	2	Y
LGS	1 0237		2.00	FLG	150	RF, SW	105 SA-105	80 COX	10-20-86	W WJM	GA	2	Y
LGS	1 0238		2.00	FLG	150	RF, SW	105 SA-105	80 COX	10-20-86	W WJM	GA	2	Y
LGS	1 0239		1.00	FLG	150	RF, SW	105 SA-105	80 A79	04-29-81	W WJM	GA	2	Y
LGS	1 0240		1.00	FLG	150	RF, SW	105 SA-105	80 M922601	02-10-83	W WJM	CAP	2	Y
LGS	1 0241		1.00	FLG	900	RF, SW	105 SA-105	160 834	06-17-82	W WJM	SPS	2	Y
LGS	1 0242		6.00	FLG	150	WN, FF	105 SA-105	40 114A9	02-13-81	W WJM	GA	2	Y
LGS	1 0243		1.00	FLG	150	FF, SW	105 SA-105	80 A-79	04-29-81	W WJM	GA	2	Y
LGS	1 0244		3.00	FLG	600	BLD	105 SA-105	2 816K	10-01-81	W WJM	SPS	2	Y
LGS	1 0245		3.00	FLG	600	BLD	105 SA-105	2 816K	10-01-81	W WJM	SPS	2	Y
LGS	1 0246		3.00	FLG	600	BLD	105 SA-105	2 816K	10-01-81	W WJM	SPS	2	Y
LGS	1 0247		3.00	FLG	600	BLD	105 SA-105	2 816K	10-01-81	W WJM	SPS	2	Y
LGS	1 0248		3.00	FLG	600	BLD	105 SA-105	2 816K	10-01-81	W WJM	SPS	2	Y
LGS	1 0249		3.00	FLG	600	BLD	105 SA-105	2 816K	10-01-81	W WJM	SPS	2	Y
LGS	1 0250	A	2.00	FLG	150	FF, TH	105 SA-105	2 CFY-8602	02-03-84	W WJM	GA	2	Y
LGS	1 0251	A	2.00	FLG	150	FF, TH	105 SA-105	2 CFY-8602	02-03-84	W WJM	GA	2	Y
LGS	1 0252	A	2.00	FLG	150	FF, TH	105 SA-105	2 CFY-8602	02-03-84	W WJM	GA	2	Y
LGS	1 0253	A	2.00	FLG	150	FF, TH	105 SA-105	2 CFY-8602	02-03-84	V WJM	GA	2	Y

ATTACHMENT III  
TESTING DATABASE  
FOR  
LIMERICK GENERATING STATION UNIT 1

LEGEND:

HARD: Estimated Brinnell Hardness Number













