COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMMISSION

In the Matter of:

APPLICATION OF JESSAMINE-SOUTH ELKHORN WATER DISTRICT FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY TO CONSTRUCT AND FINANCE A WATERWORKS IMPROVEMENTS PROJECT PURSUANT TO KRS 278.020 AND 278.300	))))))	**CASE NO 2012-00470**

JESSAMINE-SOUTH ELKHORN WATER DISTRICT'S RESPONSES TO THE KENTUCKY PUBLIC SERVICE COMMISSION'S FIRST SET OF REQUESTS FOR INFORMATION

Comes the Jessamine-South Elkhorn Water District ("Water District"), by counsel, and for its Responses to the First Set of Requests for Information from the Kentucky Public Service Commission ("PSC"), answer as follows:

The Water District has not completed its investigation, discovery or analysis of all the facts of this case and has not completed preparation for the hearing. Accordingly, all of the following responses are provided without prejudice to its right to introduce at the hearing any evidence that is subsequently discovered relating to the proof of subsequently discovered material facts. Moreover, facts, documents and things now known may be imperfectly understood and, accordingly, such facts, documents, and things may not be included in the following responses. The Water District reserves the right to reference, discover, or offer into evidence at the time of hearing any and all facts, documents and things notwithstanding the initial responses and objections interposed herein. The Water District also reserves the right to reference, discover, or offer into evidence at the time of hearing any and all facts, documents, and things that it does not presently recall but may recall at some time in the future.

GENERAL OBJECTIONS

1. The Water District objects to the Public Service Commission's Requests on the grounds that it seeks disclosure of information protected by the attorney-client, work product, and any other applicable privileges. To the extent that The Water District inadvertently discloses information that may arguably be protected from discovery under attorney-client privilege, the work product doctrine, or any other applicable privilege, such inadvertent disclosure does not constitute a waiver of any such privilege.

2. The Water District objects to the PSC's Requests insofar as they seek information concerning matters unrelated to the subject matter of this Complaint, on the grounds that they are overly broad, unduly burdensome, and seek information that is neither relevant to the subject matter of this Complaint nor reasonably calculated to lead to discovery of admissible evidence.

3. The Water District objects to the PSC's Requests insofar as they seek confidential proprietary and/or trade secret information of the Water District that, if disclosed, could irreparably harm the Water District. Accordingly, the Water District objects to producing any such information absent entry of an appropriate Protective Order.

4. The Water District objects to the PSC's Requests on the grounds that they are not limited in time frame and are overly broad and unduly burdensome because they are more than inclusive of the time period at issue at this case.

5. The Water District objects to the PSC's Requests to the extent that they call for information or documents that are not currently in the Water District's possession, custody or control.

6. The responses set forth below are made without in any manner waiving (1) the right to object to the use of any response for any purpose, in this proceeding or any other action,

on the grounds of privilege, relevance, materiality, or any other appropriate grounds: (2) the right to object to any other documents requests involving or relating to the subject matter of the responses herein; and (3) the right to revise, correct, supplement or clarify any of the responses provided below, at any time.

The General Objections are applicable to each and every one of the following responses and objections, and failure to repeat an objection in response to a specific request shall not be deemed a waiver of the objection. Further, when the Water District specifically repeats one or more of these General Objections in response to a specific request, such specific request cannot be a waiver of these General Objections.

Subject to and without waiving these General Objections, and subject to and without waiving the specific objections noted below, the Water District responds as follows to PSC's Requests for Information in accordance with the Water District's understanding of the fair meaning of those Requests. The respondent or witness for each Response will be shown in bold-faced type following the Response or that portion of the Response for which the individual is responsible.

REQUESTS FOLLOW ON NEXT PAGE

Jessamine-South Elkhorn Water District

Information Request No. 1: Provide hydraulic analyses, supported by computations and acatual field measurements, of typical operational sequences of Jessamine-South Elkhorn District's distribution system. These hydraulic analyses should demonstate the operation of all pump stations and the "empty-fill" cycle of all water storage tanks. Computations are to be documented by a labeled schematic map of the system that shows pipeline sizes, lengths, connections, pumps, water storaage tanks, wells, and sea level elevations of key points, as well as all locations of actual customer demands. Flows used in the analyses shall be identifed as to whether they are based on average instantaneous flows, peak instantaneous flows, or any combination of variation thereof. Theflows used in he analyses shall be documented by actual field measurements and customer use records. Justify fully any assumptions used in the analyses.

Answer: **Digital version of this information filed with this response along with separate Exhibit "1".**

[Witness: L. Christopher Horne}

Jessamine-South Elkhorn Water District

Information Request No. 2: Provide the minutes of each meeting of Jessamine-South Elkhorn District's Board of Commissioners in which the purchase of the one acre tract that is the proposed water storage tank site.

Answer: **See Answer to Forest Hills' Request No. 42.**

[Witness: L. Nicholas Strong]

Jessamine-South Elkhorn Water District

Information Request No. 3: Provide the deed in which title to the proposed water storage tank site was conveyed to Jessamine-South Elkhorn District.

Answer: **See attached.**

[Witness: L. Nicholas Strong]

THIS DEED OF CONVEYANCE is executed this 10th day of May, 2004, by and between **Sue C. Switzer**, a single person, whose mailing address is 1121 Catnip Hill Road, Nicholasville, Kentucky 40356, hereinafter GRANTOR; and **Jessamine-South Elkhorn Water District**, a Kentucky rural water district created under KRS Chapter 74 whose mailing address is 117 South Main Street, Nicholasville, Kentucky 40356, hereinafter GRANTEE.

WITNESSETH:

That the GRANTOR, for and in consideration of Forty Thousand and NO/100 Dollars ($40,000.00), cash in hand paid, receipt of all of which is hereby acknowledged;

DOES HEREBY SELL, GRANT AND CONVEY unto the GRANTEE, its successors and assigns in fee simple absolute forever, all of GRANTOR'S right, title and interest in and to the following described real estate located in Jessamine County, Kentucky, to-wit:

All of that certain lot or parcel of land known and designated as Lot 1-B on the Second Amended Minor Subdivision Plat of the Sue Switzer Property, which is recorded in Plat Cabinet 9, Slide 289, in the Jessamine County Clerk's Office and to which plat reference is made and incorporated herein for a more particular description.

Also conveyed herein is a ten (10') foot wide access easement from Sue C. Switzer in favor of and to the Jessamine-South Elkhorn Water District, its successors and assigns in fee simple absolute forever, that is appurtenant to and is a covenant running with the land, leading from Catnip Hill Road to Lot 1-B and running parallel with the common boundary of Lot 1-A, and that of Margaret Rash. This easement shall be located inside the eastern boundary of the 25' wide road widening easement and the western boundary of the 20' W. E. depicted on this Plat and it shall extend five (5') feet on either side of the centerline of a future gravel driveway, to be and as constructed.

Being a portion of the same property conveyed to Ronald Switzer and Sue Switzer, then husband and wife, by deed of Anne Moffett Meece and Clifford Meece, wife and husband, dated January 6, 1978, and recorded in Deed Book 151, Page 77, in the Jessamine County Clerk's Office. Thereafter, Ronald C. Switzer (aka Ronald Switzer), then single, conveyed his interest in the subject property to Sue C. Switzer (aka Sue Switzer), then single, by deed dated December 18, 1986, and recorded in Deed Book 222, Page 94, in the aforesaid Clerk's Office.

TO HAVE AND TO HOLD, the same with all rights, privileges and appurtenances thereunto belonging or in anywise appertaining unto the GRANTEE, its successors and assigns, in fee simple absolute forever, and the GRANTOR does hereby COVENANT to and with the GRANTEE that GRANTOR is lawfully seized in fee simple absolute of the property herein described; that GRANTOR has a good and legal right to sell and convey the same as herein done;

MAIL TO:
117 South Main

that the title thereto is free and clear from all encumbrances of record, except as herein provided; and that GRANTOR will **WARRANT GENERALLY** the title thereto.

PROVIDED HOWEVER, there is excepted from the foregoing covenants and warranties, and this conveyance is made subject to, all easements and restrictions of record affecting said property.

IN TESTIMONY WHEREOF, witness the hand of the GRANTOR on the day first above written.

Sue C. Switzer

Sue C. Switzer

COMMONWEALTH OF KENTUCKY
COUNTY OF JESSAMINE, SCT...

The foregoing instrument was subscribed, sworn to, and acknowledged before me by Sue C. Switzer, a single person, on the 10th day of May, 2004.

My Commission expires: 12-10-06.

NOTARY PUBLIC - STATE AT LARGE

CONSIDERATION CERTIFICATE

We, the undersigned, hereby certify that the consideration reflected in this deed is the full consideration paid for the property.

Jessamine-South Elkhorn Water District

BY: Charles L. Taylor

Charles L. Taylor, Chairman

Sue C. Switzer

Sue C. Switzer

COMMONWEALTH OF KENTUCKY
COUNTY OF JESSAMINE, SCT...

The foregoing Consideration Certificate was acknowledged and sworn to before me this 10th day of May, 2003, by Sue C. Switzer, a single person, as GRANTOR, and Charles L. Taylor, Chairman of and by and on behalf of Jessamine-South Elkhorn Water District, as GRANTEE.

My Commission expires: 3/28/04.

Patricia J. Simpson
NOTARY PUBLIC - STATE AT LARGE

PREPARED BY:

BRUCE E. SMITH
MOYNAHAN, IRVIN & SMITH, P.S.C.
110 NORTH MAIN STREET
NICHOLASVILLE, KY 40356
(859) 887-1200
2911.000

DOCUMENT NO: 159335
RECORDED ON: MAY 24,2004 11:25:45AM
TOTAL FEES: $12.00
TRANSFER TAX: $40.00
COUNTY CLERK: EVA L MCDANIEL, CJC
COUNTY: JESSAMINE COUNTY
DEPUTY CLERK: BETTY C GOODLETT

BOOK D517 PAGES 385 - 387

METHOD OF SURVEY

THIS SURVEY WAS CONDUCTED VIA RANDOM OFFSET-TRAVERSE WITH RADIAL CORNER TIES, AT AN UNADJUSTED TRAVERSE PRECISION OF 1 : 38353 USING A TOPCON GTS 3 C TOTAL STATION. ADJUSTMENT OF TRAVERSE BY CRANDALL METHOD. COMPUTATIONS WERE COMPLETED USING SURV-CADD SOFTWARE. BEARINGS DETERMINED FROM MEASURED ANGLES. NORTH ROTATED TO BEARING OF N 62°15'00" E CTRAVERSE OF A PREVIOUS SURVEY). THIS SURVEY CONSTITUTES A CLASS 'B' SURVEY.

METES AND BOUNDS REFERENCES

① MINOR SUBDIVISION PLAT FOR THE SUE SWITZER PROPERTY" P.C. 9, SL. 204

② "AMENDED MINOR SUBDIVISION PLAT FOR THE SUE SWITZER PROPERTY" P.C. 9, SL. 277

ENTRANCE PIPE NOTE

PURSUANT TO SECTION 4.602 OF THE JESSAMINE COUNTY, SUBDIVISION REGULATIONS ANY INSTALLED ENTRANCE PIPE SHALL BE APPROPRIATELY SIZED PER REQUIREMENTS OF THE JESSAMINE COUNTY ROAD DEPARTMENT SUPERVISOR.
A MINIMUM SIZE OF 15" SHALL BE REQUIRED.

KRS - 100.361 NOTE

LOT 1B IS CREATED FOR USE BY JESSAMINE SOUTH ELKHORN WATER DISTRICT, WHICH IS A UTILITY. LOT 1B SHALL NOT BE USED AS A SEPARATE BUILDING LOT FOR RESIDENTIAL PURPOSES.

STATE of KENTUCKY
JOHN G. HORNE 1218
LICENSED PROFESSIONAL LAND SURVEYOR

CERTIFICATE OF ACCURACY

I HEREBY CERTIFY THAT THE PLAN SHOWN AND DESCRIBED HEREON IS A TRUE AND CORRECT SURVEY TO THE ACCURACY REQUIRED BY THE WILMORE-JESSAMINE COUNTY JOINT PLANNING COMMISSION AND THAT THE MONUMENTS HAVE BEEN PLACED AS SHOWN HEREON TO THE SPECIFICATIONS OF THE JESSAMINE COUNTY ENGINEER OR OTHER AUTHORIZED OFFICER.

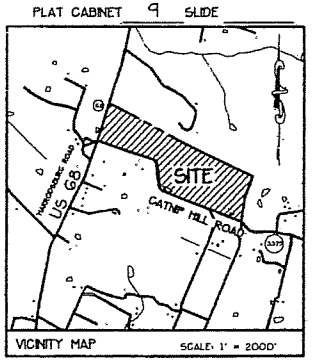
John G. Horne 5-10-04
SURVEYOR - JOHN G. HORNE - LS 1218, KY. DATE

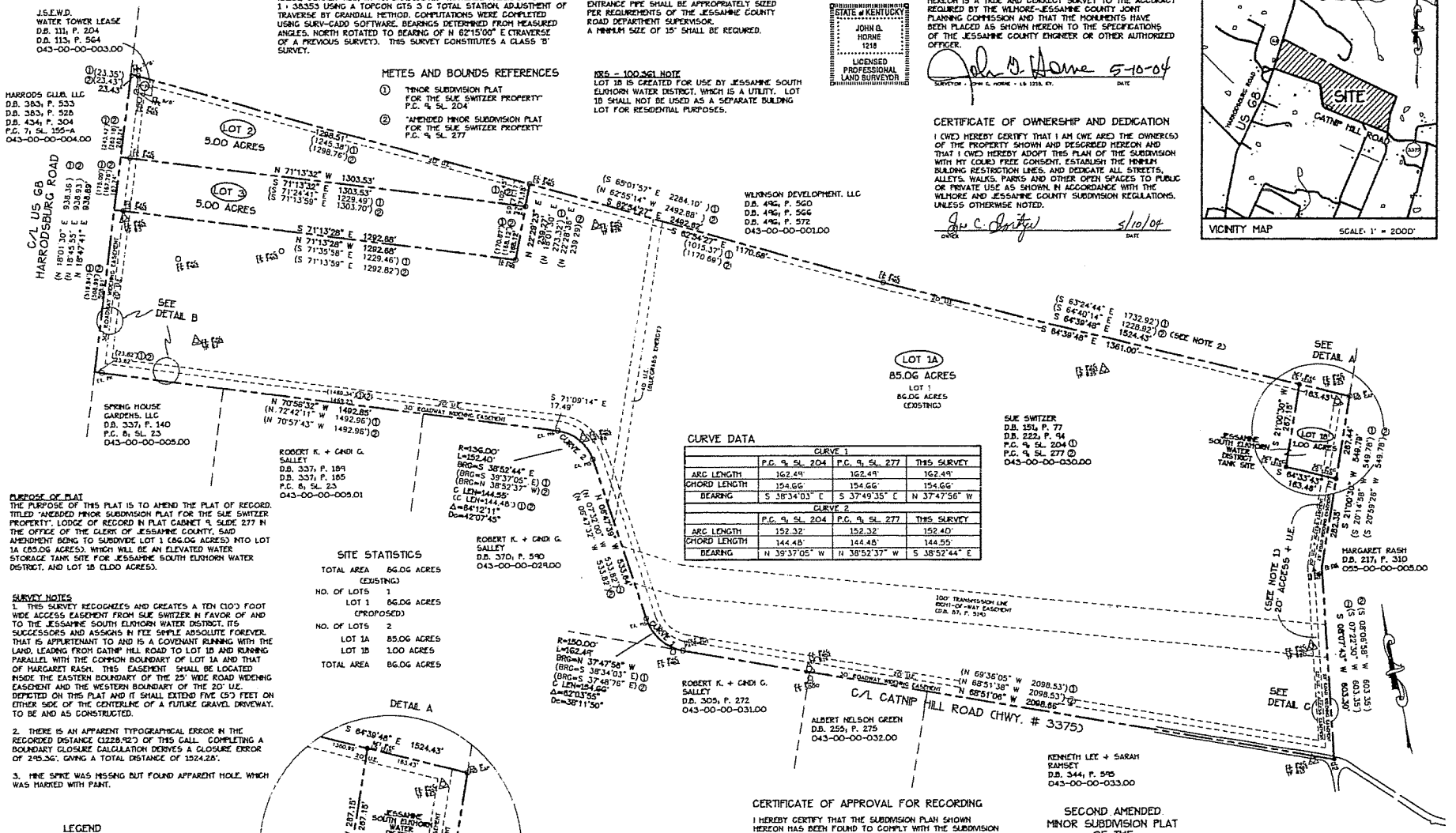
CERTIFICATE OF OWNERSHIP AND DEDICATION

I (WE) HEREBY CERTIFY THAT I AM (WE ARE) THE OWNER(S) OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT I (WE) HEREBY ADOPT THIS PLAN OF THE SUBDIVISION WITH MY (OUR) FREE CONSENT, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES, AND DEDICATE ALL STREETS, ALLEYS, WALKS, PARKS AND OTHER OPEN SPACES TO PUBLIC OR PRIVATE USE AS SHOWN, IN ACCORDANCE WITH THE WILMORE AND JESSAMINE COUNTY SUBDIVISION REGULATIONS, UNLESS OTHERWISE NOTED.

Joe C. Switzer 5/10/04
OWNER DATE

PLAT CABINET 9 SLIDE





CURVE DATA

CURVE 1	P.C. 9, SL. 204	P.C. 9, SL. 277	THIS SURVEY
ARC LENGTH	162.49'	162.49'	162.49'
CHORD LENGTH	154.66'	154.66'	154.66'
BEARING	S 38°34'03" E	S 37°49'35" E	N 37°47'56" W
CURVE 2	**P.C. 9, SL. 204**	**P.C. 9, SL. 277**	**THIS SURVEY**
ARC LENGTH	152.32'	152.32'	152.40'
CHORD LENGTH	144.48'	144.48'	144.55'
BEARING	N 39°37'05" W	N 38°52'37" W	S 38°52'44" E

SITE STATISTICS

TOTAL AREA (EXISTING)	86.06 ACRES
NO. OF LOTS	1
LOT 1 (PROPOSED)	86.06 ACRES
NO. OF LOTS	2
LOT 1A	85.06 ACRES
LOT 1B	1.00 ACRES
TOTAL AREA	86.06 ACRES

PURPOSE OF PLAT

THE PURPOSE OF THIS PLAT IS TO AMEND THE PLAT OF RECORD, TITLED "AMENDED MINOR SUBDIVISION PLAT FOR THE SUE SWITZER PROPERTY", LODGE OF RECORD IN PLAT CABINET 9, SLIDE 277 IN THE OFFICE OF THE CLERK OF JESSAMINE COUNTY, SAID AMENDMENT BEING TO SUBDIVIDE LOT 1 (86.06 ACRES) INTO LOT 1A (85.06 ACRES), WHICH WILL BE AN ELEVATED WATER STORAGE TANK SITE FOR JESSAMINE SOUTH ELKHORN WATER DISTRICT, AND LOT 1B (1.00 ACRES).

SURVEY NOTES

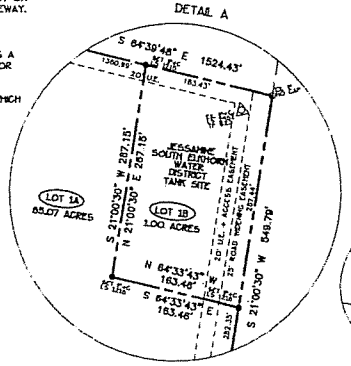
1. THIS SURVEY RECOGNIZES AND CREATES A TEN (10') FOOT WIDE ACCESS EASEMENT FROM SUE SWITZER IN FAVOR OF AND TO THE JESSAMINE SOUTH ELKHORN WATER DISTRICT, ITS SUCCESSORS AND ASSIGNS IN FEE SIMPLE ABSOLUTE FOREVER. THAT IS APPURTENANT TO AND IS A COVENANT RUNNING WITH THE LAND, LEADING FROM CATNIP HILL ROAD TO LOT 1B AND RUNNING PARALLEL WITH THE COMMON BOUNDARY OF LOT 1A AND THAT OF MARGARET RASH. THIS EASEMENT SHALL BE LOCATED INSIDE THE EASTERN BOUNDARY OF THE 25' WIDE ROAD WIDENING EASEMENT AND THE WESTERN BOUNDARY OF THE 20' U.E. DEPICTED ON THIS PLAT AND IT SHALL EXTEND FIVE (5') FEET ON EITHER SIDE OF THE CENTERLINE OF A FUTURE GRAVEL DRIVEWAY. TO BE AND AS CONSTRUCTED.

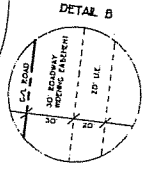
2. THERE IS AN APPARENT TYPOGRAPHICAL ERROR IN THE RECORDED DISTANCE (1228.92') OF THIS CALL. COMPLETING A BOUNDARY CLOSURE CALCULATION DERIVES A CLOSURE ERROR OF 295.36', GIVING A TOTAL DISTANCE OF 1524.28'.

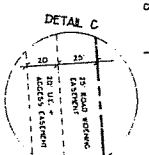
3. MINE SPIKE WAS MISSING BUT FOUND APPARENT HOLE, WHICH WAS MARKED WITH PAINT.

LEGEND

- UTILITY LINE
- UTILITY POLE
- EASEMENT LINE
- PROPERTY LINE
- SET MONUMENT: P=C - IRON PIN w/CAP (HORNE - LS 1218); (1/2" ø REBAR - 18" LONG); MS= MINE SPIKE; RR - RAILROAD SPIKE
- EXISTING MONUMENT (AS NOTED)
- FENCE LOCATION
- FENCE
- TRAVERSE POINT NO. 6







CERTIFICATE OF APPROVAL FOR RECORDING

I HEREBY CERTIFY THAT THE SUBDIVISION PLAN SHOWN HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION REGULATIONS FOR JESSAMINE COUNTY, KENTUCKY, WITH THE EXCEPTION OF SUCH VARIANCES, IF ANY, AS ARE NOTED IN THE MINUTES OF THE PLANNING COMMISSION AND THAT IT HAS BEEN APPROVED FOR RECORDING IN THE OFFICE OF THE COUNTY CLERK.

CHAIRMAN OR SECRETARY, PLANNING COMMISSION DATE 5/13/04

OWNER
SUE SWITZER
1121 CATNIP HILL ROAD
NICHOLASVILLE, KENTUCKY 40356
D.B. 151, P. 77
D.B. 222, P. 94

SECOND AMENDED MINOR SUBDIVISION PLAT OF THE

SUE SWITZER PROPERTY

PLAT CABINET 9, SLIDE 277
1121 CATNIP HILL ROAD
JESSAMINE COUNTY, KENTUCKY

GRAPHIC SCALE: 1" = 200'
0 200 400 600

JESSAMINE COUNTY
CAB 9 Pg 289

HORNE ENGINEERING, INC.
ENGINEERS - PLANNERS - LAND SURVEYORS
216 SOUTH MAIN STREET - NICHOLASVILLE, KY. 40356

SCALE: 1" =200' DWG. BY: BC DWG. NO-04-04-0354G BOOK D189
DATE: 04/29/2004 CKD. BY: JGH FILE:G:\SCCESWORK\WO354G\PLAT.DWG PAGES 289 - 289
FIELD BOOK: MISC 2 - 2003, MISC 3 - 2004 DATE OF SURVEY-06/08/02

DOCUMENT NO: 158912
RECORDED ON: MAY 14,2004 10:29:13AM
TOTAL FEES: $15.00
COUNTY CLERK: EVA L MCDANIEL, CJC
COUNTY: JESSAMINE COUNTY
DEPUTY CLERK: BETTY C GOODLETT

CLOSING STATEMENT

SELLER: Sue Switzer

BUYER: Jessamine-South Elkhorn Water District

DATE: May 10, 2004

PROPERTY: Lot 1-B, Sue Switzer Property, Plat Cabinet 9, Slide 289

EXPENSES

SELLER:	BUYER:
Transfer Tax to the Jessamine County Clerk - $40.00	Purchase Price to Sue Switzer - $40,000.00
	Proration of 2004 property taxes to Sue Switzer - $243.74
	Recording Fee to the Jessamine County Clerk's Office - $12.00

Sue C. Switzer

Charles L. Taylor, Chairman of Jessamine-South Elkhorn Water District

Jessamine-South Elkhorn Water District

Information Request No. 4: Please provide a copy of each meeting of the Jessamine-South Elkhorn District's Board of Commissioners in which the proposed water storage tank or the need for such tank was discussed.

Answer: **See Answer to Forest Hills' Request No. 42**

[Witness: L. Nicholas Strong]

Jessamine-South Elkhorn Water District

Information Request No. 5: Describe how Jessamine-South Elkhorn District determined the size of the proposed storage tank. Provide all studies, state all assumptions, and show all calculations used in making this determination.

Answer: **See Answers to Forest Hills' Request Nos. 4 - 9, 11 and 16.**

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 6: List and describe each discussion that Jessmine-South Elkhorn District or its representatives or agents had with the Kentucky Division of Water regarding the need for the proposed water storage tank.

Answer: **None.**

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 7: Provide all correspondence, electronic mail messages, and other written communication regarding the proposed water storage tank between Jessamine-South Elkhorn District and its agents and representatives and the Kentucky Division of Water.

Answer: **See JSEWD Answer to Forest Hills' Request No. 41.**

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 8: List the names of the persons who served on Jessamine-South Elkhorn District's Board of Commissioners between 2001 and 2005.

Answer: **2001: Jerry M. Haws, Sr.; George Dale Robinson; Charles L.Taylor; John Blackford**

2002: Same as 2001.

2003: Same as 2002 and add Ken Noland.

2004: Same as those serving on 12/31/2003.

2005: Same as those serving on 12/31/2003, but Haws resigned at end of 2005, leaving four (4) Commissioners – Robinson, Taylor, Blackford and Noland.

[Witness: L. Nicholas Strong]

Jessamine-South Elkhorn Water District

Information Request No. 9: Provide all studies, review, and analyses that Jessamine-South Elkhorn District has conducted on possible locations for the proposed water storage tank.

Answer: **See JSEWD Answer to PSC Request No. 4.**

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 10: Assume the issuance of a Certificate of Public Convenience and Necessity for the proposed facility on February 1, 2012. State the expected date of commencement and construction and the expected time required for completion of construction.

Answer: **Award of Contract - 02/16/2013**

Execution of Contract – 02/16/2013

Notice to Proceed – 02/16/2013

Construction – 300 days

Completion – 12/23/2013

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 11: Refer to Jessamine-South Elkhorn District's Application, Exhibit A. Define the boundaries of the area that is referred to as the "northwest service area of Jessamine-South Elkhorn Water District."

Answer: **Bounded on the north by the LFUCG/Jessamine County line; on the west by the Jessamine/Woodford County line; on the east by a parallel line 1 ½ miles west of US 27 and extending from the LFUCG/Jessamine County line at the north in a southerly direction to the CNO&TP Railroad; and on the south by the city limits of Wilmore, KY and US 68.**

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 12: Provide the number of customers in the northwest service area that Jessamine-South Elkhorn District served on December 31 of each year between 2006 and 2011.

Answer: **See JSEWD Answer to Forest Hills' Request No. 26**

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 13: Provide all correspondence, electronic mail messages, and other written communication regarding the proposed water storage tank between Jessamine-South Elkhorn District and its agents and representatives and representatives of Barry Mangold, T. Logan Davis, Forest Hills Residents' Association or William Bates.

Answer: **See JSEWD Responses to Forest Hills' Request Nos. 1 and 7 and the attached.**

[Witness: L. Nicholas Strong]

Horne Engineering, Inc.

216 SOUTH MAIN STREET • NICHOLASVILLE, KENTUCKY 40356 • (859)885-9441 • FAX (859)885-5160

ENGINEERS • LAND SURVEYORS • PLANNERS

email@horneeng.com

March 7, 2006

FILE COPY

Barry Mangold
Forest Hills Development, LLC
1082 Wellington Way
Lexington, KY 40513

Re: Forest Hills Subdivision
Jessamine South Elkhorn Water District

Dear Mr. Mangold:

Enclosed for your review and/or execution are the following documents:

Water Service Contract - The Standard extension contract which has been modified to include the District's contribution of $39,690.01 for line upsizing.

Material Cost Memo - Copy of my memo of January 31, 2006, documenting the method of determining cost of contribution.

Agreement - This agreement is for donation of the one-acre tract to allow the District to relocate construction of the 1.0 million gallon elevated storage tank. Item 6 prohibits use of the original Switzer site for an elevated tank for a period of ten (10) years.

Enclosed please find two (2) copies of the contract and agreement. Please execute where indicated and also, have Christian Ach sign the Water Service Contract. Have all signatures notarized and return both copies to this office. After signing by the District, a copy will be returned to you for your file.

Should you have any questions or require additional information regarding this matter, please contact me at (859) 885-9441.

Sincerely,
HORNE ENGINEERING, INC.

John G. Horne

John G. Horne, PE, PLS
President

JGH/jt
enc.
cc: Nick Strong
Bruce E. Smith
Engr/3683
Engr/3569
Engr/3710
Corr.

Q:\ProjectDir\Jsewd\WO3683\MangoldAgmtSign.ltr

WATER SERVICE CONTRACT

THIS AGREEMENT, made and entered into this _____ day of March, 2006, by and between the JESSAMINE-SOUTH ELKHORN WATER DISTRICT, a Kentucky rural water district created under KRS Chapter 74, of 107 South Main Street, Nicholasville, Kentucky 40356, hereinafter "DISTRICT", and Forest Hills of Kentucky, LLC, of 1082 Wellington Way, Lexington, Kentucky 40513, hereinafter "FOREST HILLS";

WITNESSETH:

WHEREAS, FOREST HILLS desires to secure water service for that certain parcel of real estate (166.46 acres) which is located on the east side of US 68 near its intersection with Catnip Hill Road in Jessamine County, Kentucky, within the territorial boundaries of the District; and

WHEREAS, the DISTRICT desires to extend service and supply water to the aforementioned parcel of real estate;

NOW, THEREFORE, for and in consideration of the mutual covenants contained herein, the parties agree as follows:

1. Construction and installation of the waterlines, appurtenances, services and meters by FOREST HILLS shall be done according to the construction plans and specifications prepared by FOREST HILLS which are to be previously reviewed and approved by the DISTRICT's engineer and which shall provide at a minimum, unless a higher standard is required by the DISTRICT in its sole and unfettered discretion, that FOREST HILLS shall construct said lines such that the rate of flow (gpm) in the newly constructed lines is equal to or greater than the rate of flow provided by the line to which the new line will be connected and such that the rate of flow is equal to or greater than 250 gpm where fire hydrants will be connected to the new line. Forest Hills agrees to

increase the size of the water main from 6" to 12" along the common boundary between the Forest Hills property and the Switzer property from its connection to the water storage facility on the Switzer property to point where the interior street from the Forest Hills stubs into the Switzer property (approx. 3,675 feet). The District agrees to pay to Forest Hills the difference in the pipe cost from increasing the water main size from 6" to 12" and the increase in the cost of the gate valve on the line caused by enlarging it which amounts to $39,690.01. See Exhibit "A" attached hereto for a copy of said plans and specifications.

2. FOREST HILLS shall install the waterlines, appurtenances, services and meters on all of the one-acre lots of the real estate being developed, and, if applicable, FOREST HILLS shall install waterlines and appurtenances only to the five-acre or larger tracts of the subject property. Upon the completion of the installation of each section, if requested, or upon completion of the entire project, FOREST HILLS shall convey said lines, services and meters to the DISTRICT. The DISTRICT agrees to accept the conveyance from FOREST HILLS under certain conditions set forth herein and provide water service to the occupants of the development.

3. Any proposed changes by FOREST HILLS to the construction plans and specifications shall first be submitted to the DISTRICT's engineer, who acting as the DISTRICT's agent, will have the right to approve or disapprove all routine matters. Significant or material changes to said plans and specifications shall be left for determination by the District's Board of Commissioners.

4. The DISTRICT shall inspect the construction and installation of the lines, appurtenances, services and meters from time to time to determine whether or not the plans and specifications are being followed by FOREST HILLS. The DISTRICT has the right to halt construction and installation if said plans and specifications are not being

followed or if other problems (as determined by the District in its sole and unfettered discretion) arise relative to this project.

5. All easements relative to the project not reflected on a plat shall be prepared by DISTRICT's legal counsel. Any preliminary plat or final record plat of the project shall be submitted to the DISTRICT for approval and execution of the appropriate certificate before same is submitted to the Jessamine County-City of Wilmore Joint Planning Commission for approval.

6. FOREST HILLS shall prepare and submit for approval to the District's engineer "as-builts" for the project in the form of an AutoCAD disk with coordinate positions that reflect all air release gate valves, corporation stops, right-of-way centerline information, fire hydrants, road crossings, service crossings, meter assemblies and meter serial numbers, final record plat, and watermains.

7. No meters shall be unlocked or installed by the DISTRICT and no water service shall be initiated until there has been a final inspection and approval by the DISTRICT's engineer of that portion of the waterline, appurtenances, services and meters to be conveyed by FOREST HILLS. The DISTRICT shall unlock or install all water meters, and initiate service, and the connection fee charged to each one-acre lot owner, if any, shall be $150.00. The fee to be charged to each owner of a five-acre lot or larger, if any, shall be that fee in effect under the District's Tariff at the time application for water services is made. It is understood that the request for and installation or unlocking of a water meter by the DISTRICT for the fees mentioned is a one-time service provided by the DISTRICT, and if any problems are encountered in unlocking or installation and the DISTRICT is unable for any reason to perform this task hen requested, then FOREST HILLS shall bear the entire cost of enabling the DISTRICT to complete such installation or unlocking.

8. All legal, administrative, engineering or other costs incurred by the DISTRICT and its staff associated with the provision of water service to FOREST HILLS under this contract shall be paid by FOREST HILLS to the DISTRICT as billed.

9. FOREST HLLS shall complete the construction and installation of all lines, appurtenances, services and meters for the aforementioned parcel of real estate; shall have gained final approval of same from the DISTRICT's engineer; shall have complied with all other terms of this Contract; and shall have conveyed said lines, appurtenances, services and meters to the DISTRICT within six (6) months from the date of this agreement, with time being of the essence.

10. Until any section of line, appurtenances, services and meters are conveyed to the DISTRICT by FOREST HILLS, the full and complete responsibility and liability for same shall be borne by FOREST HILLS. FOREST HILLS agrees to fully indemnify and save harmless the DISTRICT against and from all loss, cost, and expense, including but not limited to attorney's fees and court costs, which the DISTRICT sustains or incurs arising from FOREST HILLS, or FOREST HILLS' agents' or FOREST HILLS' contractors acts or failures to act under this agreement. FOREST HILLS agrees to restore the surface and sub-surface area of the ground disturbed by the installation of the waterline, appurtenances, services and meters to be constructed and installed hereunder to substantially the same condition as the ground existed prior to the disturbance. In addition, FOREST HILLS shall be responsible for the maintenance and correction of any problems which may occur regarding any line, appurtenances, services and meters installed or constructed for a period of one (1) year from the acceptance by the DISTRICT and the conveyance by FOREST HILLS of that section of line, appurtenances, services and meters. After conveyance, but before the expiration of said one-year period, the DISTRICT shall make whatever repairs or changes are necessary

and FOREST HILLS shall be responsible for paying the cost to the DISTRICT relative to such repair or change.

11. It is understood that the provisions of this agreement apply to the aforementioned parcel of real estate being developed by FOREST HILLS.

12. This contract contains the entire agreement between the parties hereto superceding all prior understandings, negotiations or discussions, and the same shall not be altered, amended, modified, or varied in any manner whatsoever except by a writing executed by the parties in the same manner as this instrument.

WITNESS, the hands of the parties hereto on the day and year first above written.

ATTEST:

JESSAMINE-SOUTH ELKHORN
WATER DISTRICT

_____

BY:_____
NICK STRONG, CHAIRMAN

FOREST HILLS OF KENTUCKY, LLC

_____
WITNESS

BY:_____
BARRY C. MANGOLD, MEMBER

CONTRACTOR'S ACKNOWLEDGEMENT

I agree to be bound by and comply with the terms of numbered paragraphs 1, 2, 3, 4, 9, 10 and 11 as set out above, and any other provision contained herein which impacts upon the installation of the waterline, services or meters, including but not limited to the District's authority and right to approve, inspect, and, if necessary, halt construction of the waterlines, appurtenances, services and meters to be installed or constructed hereunder.

Signed this ___ day of March, 2006.

ABR Construction, Inc.

_____
CHRISTIAN ACH, President

COMMONWEALTH OF KENTUCKY
COUNTY OF _____, SCT....

Subscribed, sworn to and acknowledged before me by CHRISTIAN ACH, as President of ABR Construction, Inc., for and on behalf of said corporation on _____ day of March, 2006.

My Commission expires: _____.

_____
NOTARY PUBLIC, STATE-AT-LARGE

Jessamine-South Elkhorn Water District

Information Request No. 14 List all complaints that Jessamine-South Elkhorn Water District has received since January 1, 2009 regarding "low water pressure" in its northwest service area.

Answer: **See attached.**

[Witness: Glenn T. Smith]

2009

Complaint Form

Location: 1111 South ELKhorn Rd Date: May 20 2009 Time: ____

Person making complaint: JOHN BEASLEY

Address: 1111 South Elkhorn Rd

Phone: (Res) 859-489 4416 (Work) ____

Person receiving the complaint: Mr Beasley

COMPLAINT: LOW WATER PRESSURE

PROPERTY DAMAGE: NONE

ACTION TAKEN BY SERVICEMAN: Took Static Pressure 3 Locations Hydrant at Garage 120 PSI Cuway From House Front of House 94 psi Back of House at Basement 98 PSI Faucet

Date problem corrected ____ Time: ____

Person making service call: GLENN T. Smith

Additional information: NO Problem Found ask about Filtration System - Water Softner Filters

2009

SouthEast **Complaint Form**

Location: 1240 WATTS MILL RD Date: Dec 15 2009 Time: 3:00pm

Person making complaint: Ross TANNER

Address: 1240 watts mill Rd

Phone: (Res) 859-509-8951 (Work) _____

Person receiving the complaint: _____

COMPLAINT: Low WATER Pressure

PROPERTY DAMAGE: NON

ACTION TAKEN BY SERVICEMAN: TOOK Pressure 50 PSI Adjusted Customers PRV vale to 85 PSI Static Pressure

Date problem corrected Dec 15 2009 Time: 4:00pm

Person making service call: Glenn T. Smith

Additional information: _____

2010

Complaint Form

Location: 112 PARKER LANE Date: April 20 2010 Time: 9:00Am

Person making complaint: Mr DONALD DIX

Address: 112 Parkers Lane

Phone: (Res) 343-9800 (Work) ____

Person receiving the complaint: PATTY

COMPLAINT: LOW WATER PRESSURE

PROPERTY DAMAGE: NON

ACTION TAKEN BY SERVICEMAN: TOOK PRESSURE AT House Static 101 PSI Risdual 94 PSI

Date problem corrected april 20 2012 Time: 1:00pm

Person making service call: Glenn T. Smith

Additional information: Took Pressure Reading Pressure Good Quest home owner about water Softner - Filternation system - Nothing Found wrong with Pressure

2010

Complaint Form

Crosswoods Subdivision 2010

Location: 201 Sunntree Date: April 21 Time: 8:30AM

Person making complaint: Holly Bosse

Address: 201 Sunntree

Phone: (Res) _____ (Work) _____

Person receiving the complaint: _____

COMPLAINT: Low WATER Pressure

PROPERTY DAMAGE: NONE

ACTION TAKEN BY SERVICEMAN: TOOK PRESSURE AT house Static 80 PSI Residual 74 PSI NO PROBLEM Found

Date problem corrected _____ Time: _____

Person making service call: GLENN T. Smith

Additional information: ~~Check~~ TALKED to home owner about water Softner Filters and Filtration System Filters

2011

Complaint Form

Location: BARKLEY ESTATES Date: april 19 2011 Time: 2:00pm

Person making complaint: Christinia LANO

Address: 149 BARKLEY Estates

Phone: (Res) 859-893-6478 (Work) ____

Person receiving the complaint: PATTY

COMPLAINT: LOW WATER PRESSURE

PROPERTY DAMAGE: NON

ACTION TAKEN BY SERVICEMAN: TOOK STATIC PRESSURE static psi 104 Risdual 80 NO prodlEN Found

Date problem corrected april 19 2011 Time: 4:00pm

Person making service call: GLENN T. Smith

Additional information: WE Replaced Subdivision 4 inch main TO NEW 6 in main with Fire protection NEW hydrant every 500 feet.

C

2011

Complaint Form

Location: 2000 Lock 8 Rd Date: April 25 2011 Time: 9:00AM

Person making complaint: Rodney Launers

Address: 2000 Lock 8 Rd

Phone: (Res) 859-3969993 (Work) _____

Person receiving the complaint: Patty

COMPLAINT: Low water Pressure

PROPERTY DAMAGE: Non

ACTION TAKEN BY SERVICEMAN: Check water Pressure 30 psi Static Adusted Customer PSV 80 psi Static

Date problem corrected April 25 2011 Time: 4:00pm

Person making service call: Glenn T. Smith

Additional information: _____

2012

Complaint Form

Location: 506 Chandamer Way Date: July 24 2012 Time: 8:30 AM

Person making complaint: Mr Spencer Rutherford

Address: 506 chandamer way

Phone: (Res) _____ (Work) _____

Person receiving the complaint: Patty

COMPLAINT: Low water Pressure

PROPERTY DAMAGE: NONE

ACTION TAKEN BY SERVICEMAN: Open vale Clear creek Then Readjusted 2 PRV Pits more Pressure

Date problem corrected July 24 2012 Time: 10:30 AM

Person making service call: Glenn T. Smith

Additional information: This was in A Period when we where Trying to Reduce Pressure in the South West Portion District

2012

Complaint Form

Location: Luther Deaton Date: July 30 Time: 7:00pm

Person making complaint: Mr. Deaton

Address: 8099 Harrodsburg Rd

Phone: (Res) 533-3333 (Work) _____

Person receiving the complaint: Ron Eldridge

COMPLAINT: Low water Pressure

PROPERTY DAMAGE: Mr Deaton's mow Main Head hit dog House with mower Brok off Sprinkler

ACTION TAKEN BY SERVICEMAN: _____

Shut off Sprinkler System

Date problem corrected July 30 2012 Time: 9:000am

Person making service call: Ron Eldridge

Additional information: _____

2012

Complaint Form

Location: Christian Ach Date: Aug 23 Time: 6:00pm

Person making complaint: MRS Ach

Address: 500 CAVE Springs Dr

Phone: (Res) 881-1077 (Work) _____

Person receiving the complaint: GLENN Smith

COMPLAINT: Low WATER Pressure

PROPERTY DAMAGE: Lightning hit water main at vale Blew Line out of ground

ACTION TAKEN BY SERVICEMAN: Repair Main

Date problem corrected Aug 23 2012 Time: 10:30pm

Person making service call: GLENN Smith

Additional information: _____

2012

Complaint Form

Location: 139 Murphy Lane Date: Dec 7 -12 Time: 3:00pm

Person making complaint: Mr. Gibson

Address: 139 Murphy Lane

Phone: (Res) 421-5422 (Work) _____

Person receiving the complaint: DIANA

COMPLAINT: Low Pressure

PROPERTY DAMAGE: NONE

ACTION TAKEN BY SERVICEMAN: Took Static Pressure 85PSI Took Risdual 82 PSI - Told Mr. Gibson pressure was good - Then he Explain poor Pressure July-Aug

Date problem corrected _____ Time: _____

Person making service call: GLENN Smith

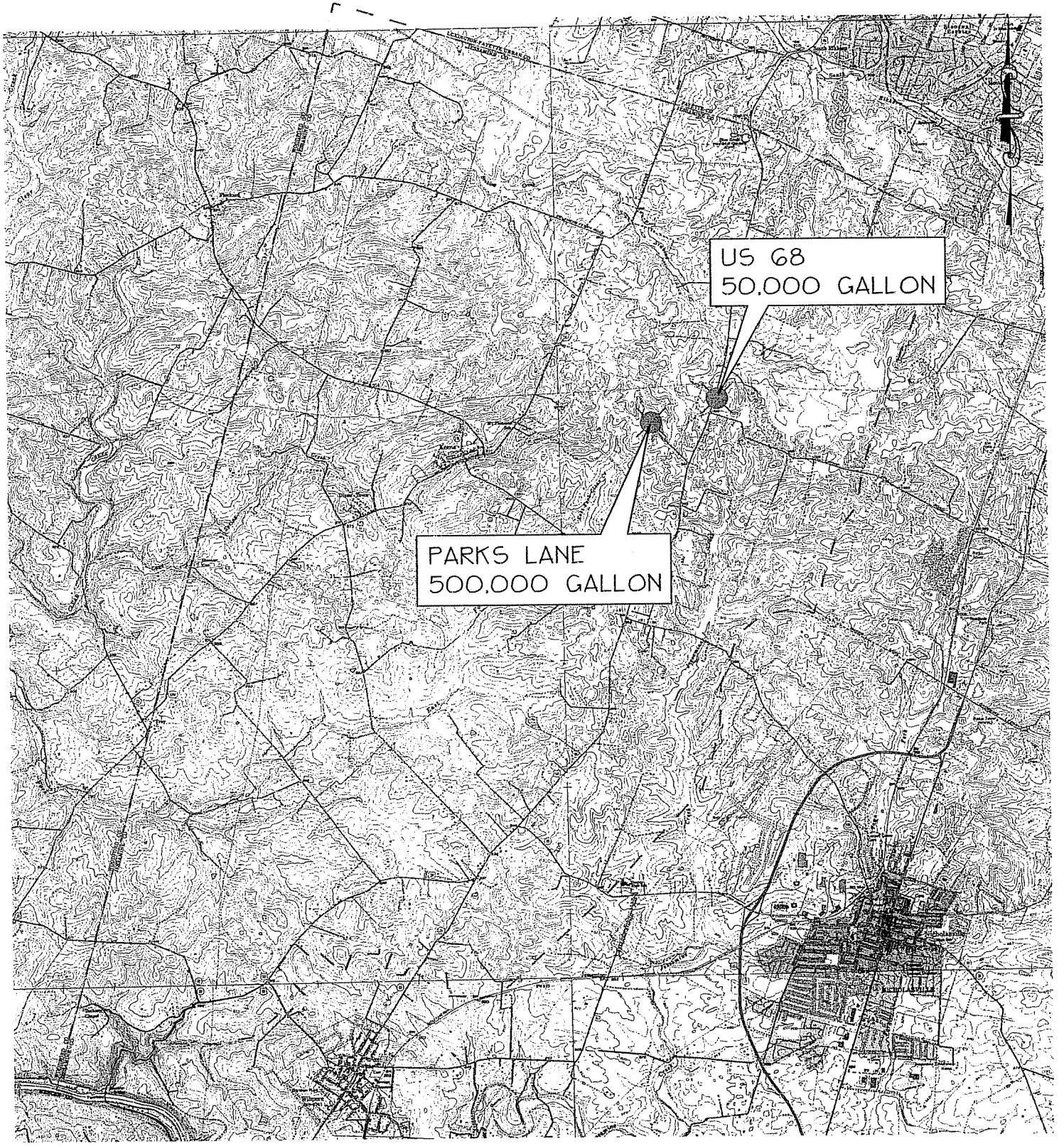
Additional information: we where Regulated PRV PITS At This Time -

Jessamine-South Elkhorn Water District

Information Request No. 15: List and describe all of Jessamine-South Elkhorn District's water storage facilities that are located in its northwest service area.

Answer: **See attached.**

[Witness: John G. Horne]



ELEVATED STORAGE TANK

JSEWD
MAP OF EXISTING ELEVATED STORAGE TANKS

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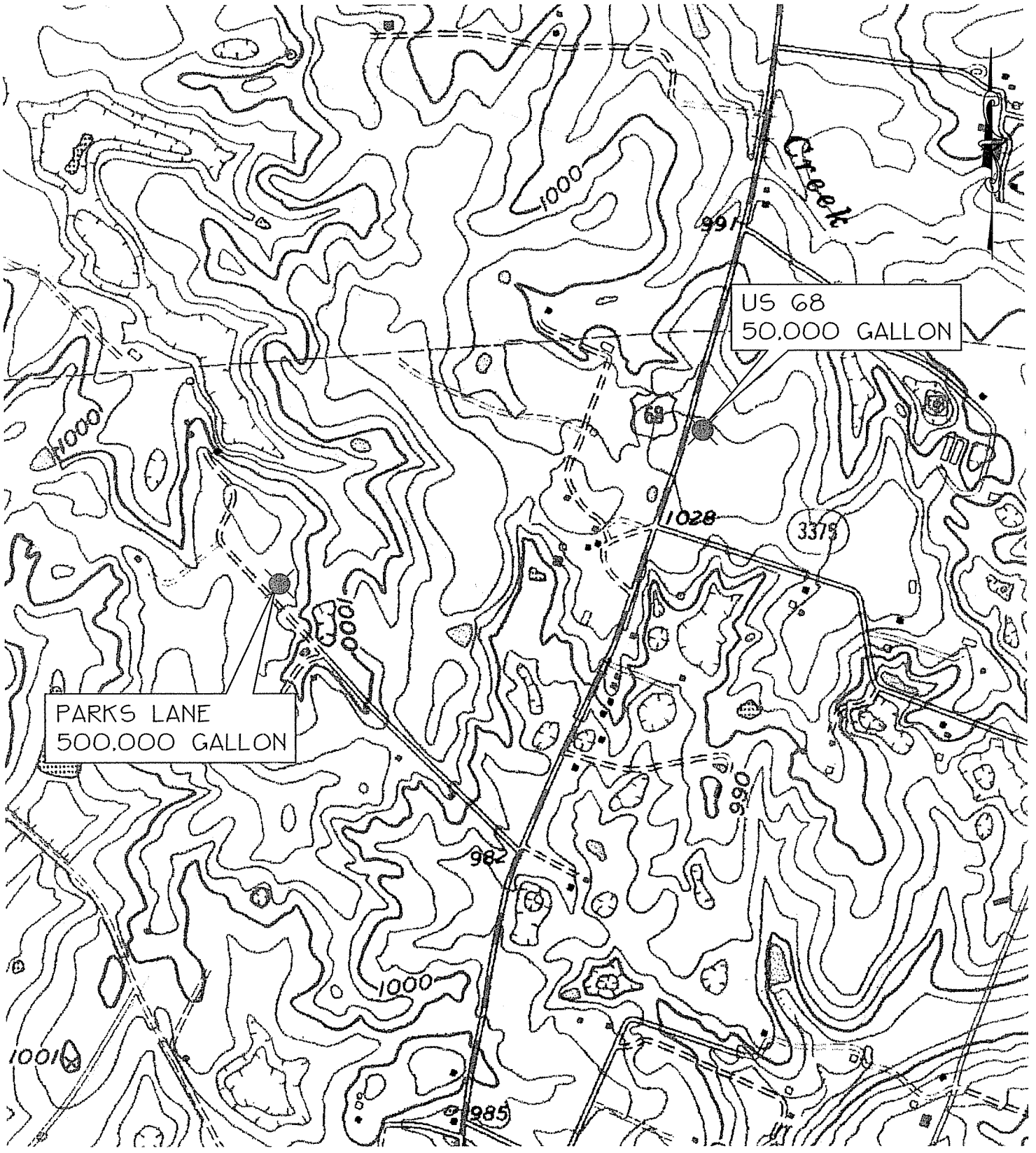

JSEWD

MAP OF EXISTING ELEVATED STORAGE TANKS

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Jessamine-South Elkhorn Water District

Information Request No. 16: Provide the capital improvement plan system storage study that Jessamine-South Elkhorn Distict instructed Horne Enginering, Inc. to prepare in 2004.

Answer: **See plan filed in Case No. 2006-00156.**

[Witness: John G. Horne]

Jessamine-South Elkhorn Water District

Information Request No. 17: Provide all correspondence, electronic mail messages, and other written communication regarding the proposed water storage tank beteen Jessamine-South Elkhon District and its agents and representatives and other governmental officials or agencies

Answer: **See JSEWD Answers to Forest Hills' Request Nos. 38 and 41.**

[Witness: John G. Horne]

CERTIFICATE OF SERVICE

I hereby certify that the foregoing Jessamine-South Elkhorn Water District's Responses to Kentucky Public Service Commission's First Set of Requests or Information was served by first class mail, postage prepaid and e-mail without some exhibits, this the 11th day of December, 2012, to:

Robert M. Watt, III, Esq.
Stoll Keenon Ogden, PLLC
300 West Vine Street, Ste. 2100
Lexington, KY 40507-1801
robert.watt@skofirm.com

BRUCE E. SMITH

g:\...\JSEWD\Forest Hills\Certificate Proceeding\Responses to PSC First Set of Req. Final 121112

CERTIFICATION

Comes L. Nicholas Strong, Chairman of the Jessamine-South Elkhorn Water District ("District") and after first being duly sworn states that he supervised the preparation of this response on behalf of the District and that the foregoing responses are true and accurate to his knowledge, information and belief after a reasonable inquiry.

L. Nicholas Strong, Chairman

COMMONWEALTH OF KENTUCKY
COUNTY OF JESSAMINE, SCT...

Acknowledged, subscribed and sworn to me, a Notary Public in and before said County and State by L. Nicholas Strong, Chairman, this the 11th day of December, 2012.

NOTARY PUBLIC 433464 NO.

Respectfully submitted,

Randall Jones, Esq.
Kentucky Home Trust Building
450 South Third Street
Louisville, Kentucky 40202

and

Bruce E. Smith, Esq.
201 South Main Street
Nicholasville, Kentucky 40356

CO-COUNSEL FOR DISTRICT

EXHIBIT "1" TO JSEWD RESPONSES TO PSC FIRST SET OF INFORMATION REQUESTS

LETTER OF TRANSMITTAL

email@horneeng.com

HORNE ENGINEERING, INC.
216 SOUTH MAIN STREET
NICHOLASVILLE, KY 40356
Ph. (859) 885-9441

CONSULTING ENGINEERS
LAND SURVEYORS
PLANNERS
Fax (859)885-5160

To: Solitha Dharman, Supervisor
Kentucky Division of Water
Water Infrastructure Branch
200 Fair Oaks, 3rd Floor
Frankfort, KY 40601

Date: February 17, 2011 FILE COPY

Re: Catnip Hill Pike 1.0 MG Elevated Storage Tank
Jessamine-South Elkhorn Water District

WE ARE SENDING YOU ATTACHED:

COPIES	DATE, W.O. # and/or DWG. #	DESCRIPTION
1	#3569	Revised Hydraulic Analysis - Catnip Hill Pike 1.0 MG Elevated Storage Tank

THESE ARE TRANSMITTED as checked below:

X	For review & approval	___	Approved as submitted
___	For your use	___	Approved as noted
___	For your records/files	X	As requested or required

COMMENTS:

See attached revised Hydraulic Analysis as requested. Please contact our office should you have any questions and/or comments.

Signed: L. CHRISTOPHER HORNE
L. Christopher Horne, PE, PLS
Vice-president

cc: Engr/3569
Engr/3933
Corr.

Q:\ProjectDir\Jsewd\WO3569\KDOWDharmanHydraulicAnalysisRevised.trs

REVISED HYDRAULIC ANALYSIS

PROPOSED ELEVATED STORAGE TANK
CATNIP HILL ROAD
(Chinkapin Drive)

JESSAMINE COUNTY, KENTUCKY

JESSAMINE-SOUTH ELKHORN WATER DISTRICT
NORTHWEST DISTRIBUTION SYSTEM

February 2011

Prepared by:
HORNE ENGINEERING, INC.
216 South Main Street
Nicholasville, Kentucky 40356
(859) 885-9441

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Summary

The hydraulic analysis contained in this report revises the hydraulic analysis performed for the same project, dated September 2010. The previous report was submitted to the Kentucky Division of Water for review and it was requested that the analysis show a 72-hour turn over in the proposed tank. Specifically, this means that the amount of water draining from the tank over 72-hours would equal the working capacity of the tank. The initial analysis revealed the turn over was not occurring. Therefore, modifications to the model had to be made to remove conservative values and reflect more accurate conditions of the existing system. Those changes are detailed as follows.

Total System Demand

Over the years, the demands included in the model for the Jessamine-South Elkhorn Water District have been maintained at a conservative level. Each time a new development comes online, conservative values are given to that subdivision to ensure that adequate capacity will be there in the event that the new subdivision is a heavy user which in almost every instance, results in a higher value for the model than what is used in real life.

Many of the demands for the more recent subdivisions have been adjusted in the model used for this report, as well as a comprehensive look at the overall demand for the entire Northwest Distribution System. The actual usage totals for January - December 2010 were gleaned for the two meters at the Clays Mill Road booster pump station and the two meters at the Keene Road master meter, which constitutes 100% of the usage for the Northwest Distribution Area. The totals were as follows:

Clays Mill Road Meter #1	246,484,500 gallons
Clays Mill Road Meter #2	4,460,000 gallons
Keene Road #1	389,925 gallons
Keene Road #2	340,575 gallons
Total Usage	271,650,715 gallons

The total usage for the Northwest Distribution Area is 271,650,715 gallons which equates to 515gpm on average for the year. Since the Jessamine-South Elkhorn Water District currently has 2,203 customers in the Northwest Distribution Area, the average use per customer is 0.233gpm/customer. Flow summaries for the Clays Mill Road master meters #1 & #2 are included in this report.

The previous model was using an average demand for the entire Northwest Distribution Area of 851gpm. After several of the newer subdivision demands were adjusted as discussed above, bringing the demand down to 769gpm,a global demand factor of .67 was assigned to the model so that the overall demand would reflect current usage (515 gpm).

Operating Conditions Delivered to the Booster Pump Station

The operating conditions modeled in the previous report was a constant hydraulic grade line on the Kentucky American Water Company system, which is the source feeding the Clays Mill Road booster pump station. The actual operating condition or hydraulic grade line on the suction side of the booster pump station was obtained from telemetry for several periods over the past year. The operating conditions vary a great deal based on the fact that there is a booster pump on the Kentucky American Water Company system right next door to the Jessamine-South Elkhorn Water District booster pump. The Kentucky American Water Company pump kicks on at various times during the day in order to boost pressures in that area of its system. That pump introduces water back into the Kentucky American Water Company system from the 2- million gallon ground tank adjacent to the Jessamine-South Elkhorn Water District pump station. Therefore, because of the pump, the hydraulic grade line for the suction side of the Jessamine-South Elkhorn Water District pump can vary from 1140 (with rare spikes below that) up to 1180 (with rare spikes above that). It appears that February 9, 2011 is a representative sample of what is expected of from the hydraulic grade line provided to the Jessamine-South Elkhorn Water District pump station. Therefore, the hydraulic grade line for that date was extrapolated to a 72-hour period and used for this report. A copy of the telemetry chart used to extract this data that is attached to this report.

It should be noted that the chart reflects operating conditions when the Jessamine-South Elkhorn Water District booster pump turns on. Data during that period was not used in the model since the model introduces the pumps, thereby creating the drop in suction and the rise in discharge head.

Demand Pattern

The demand pattern for the 72-hour period on the previous analysis was conservative in the fact that all of the demands do not average out to 1.0. Therefore, in addition to the fact that the sum of all nodal demands was greater than the average demand for the system, the sum of all hours was greater than an average hour. Therefore, the demand pattern was adjusted for this analysis so that the total of all demands average to 1.0.

Demand factors used are as follows:

0.	0.10	4.	0.50	8.	1.10	12.	1.10	16.	1.25	20.	1.25
1.	0.10	5.	1.25	9.	0.75	13.	1.00	17.	2.00	21.	1.25
2.	0.10	6.	2.00	10.	0.75	14.	0.50	18.	2.00	22.	1.00
3.	0.25	7.	1.75	11.	1.50	15.	0.75	19.	1.50	23.	0.25

This demand pattern was repeated twice more in order to complete the 72-hour pattern.

Telemetry Controls

The telemetry control levels have been adjusted. After all of these modifications were made to the model, running the analysis revealed that 100% of the proposed tank capacity would not be turned over in a 72-hour period. Therefore, the model was run by dropping the pump off - pump on telemetry setting on the new tank from 1170 down to 1154, thereby reducing the volume that would be stored in the tank to 604,515gallon.

The telemetry in the older 500,000 gallon tank was left untouched, which would allow additional volume in that tank to be used, since the water level in it rises and falls faster than the larger proposed tank. When these new levels were set and the analysis was run, the volume drained from the new tank is equal to 676,481 gallons which exceeds the working capacity of the tank, thereby showing that the turn over is achievable. A graph of the hydraulic grade line for all three tanks over the 72-hour period is included, herein with an explanation of how the volumes were calculated.

The conservative values that were in the model previously submitted to the Kentucky Division of Water were there to ensure that customers can be served water adequately without capacity issues. However, when it comes to the analysis for a proposed tank, those types of conservative values are not helpful. Therefore, the changes were made to more accurately reflect current conditions.

Following the same format as the original report, the full of all 72-hours of analysis is not included in this report. Rather, there are selected portions of the results that were printed and are included in this report. The data summary is given in full, followed by the pump report and then the tank report, as well as a maximum/minimum report. The maximum/minimum report includes the maximum/minimum pressure for each node in the system over the 72-hour period. A copy of the full report is available in digital form and is saved at Q:\HYDDATTA\KYPIPE\NEW TANK 2010\TANK ANALYSIS2010EPS.KYP\TANK ANALYSIS 2010EPS.doc. A copy of this report, under the file name TANK ANALYSIS 2010EPS.doc, along with the KY PIPE data is included on the enclosed CD-ROM.

JESSAMINE SOUTH ELKHORN
WATER DISTRICT

NW DISTRIBUTION SYSTEM

NODE MAP

FLOW SUMMARY JAN 2010 - DEC 2010
CLAYS MILL RD METER #1
TAKEN FROM JSEWD TELEMETRY

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
1/1/2010	5.3	5.4	0	0	0	24	0	0	624000	0	1090	946.33
1/2/2010	3.8	5.4	0	0	0	24	0	0	555000	0	1110	992.93
1/3/2010	5.1	6.5	0	0	0	24	0	0	693000	0	1110	986.41
1/4/2010	6.6	3.2	0	0	0	24	0	0	580000	0	1110	975.86
1/5/2010	6.1	5.4	0	0	0	24	0	0	717000	0	1100	1024.48
1/6/2010	4.9	5.7	0	0	0	24	0	0	659000	0	1120	1009.44
1/7/2010	3.4	6.9	0	0	0	24	0	0	610000	0	1110	990.49
1/8/2010	5	6.4	0	0	0	24	0	0	693000	0	1150	984.14
1/9/2010	5.5	4.4	0	0	0	24	0	0	566000	0	1080	949.49
1/10/2010	6	5.8	0	0	0	24	0	0	722000	0	1110	998.58
1/11/2010	4.7	5.4	0	0	0	24	0	0	627000	0	1110	1013.63
1/12/2010	3.1	7.3	0	0	0	24	0	0	611000	0	1160	978.48
1/13/2010	5.1	6.9	0	0	0	24	0	0	722000	0	1080	966.59
1/14/2010	6.2	5.7	0	0	0	24	0	0	700000	0	1090	960.92
1/15/2010	7.9	4.2	0	0	0	24	0	0	699000	0	1030	963.55
1/16/2010	5.1	6.9	0	0	0	24	0	0	721000	0	1100	989.58
1/17/2010	5	7.1	0	0	0	24	0	0	730000	0	1130	998.77
1/18/2010	5.9	6.9	0	0	0	24	0	0	766000	0	1120	970.92
1/19/2010	7.1	3.5	0	0	0	24	0	0	642000	0	1100	989.63
1/20/2010	6.3	5.8	0	0	0	24	0	0	729000	0	1100	1000.58
1/21/2010	4.2	6.2	0	0	0	24	0	0	627000	0	1160	988.56
1/22/2010	3.9	7.4	0	0	0	24	0	0	667000	0	1140	976.49
1/23/2010	5.4	5.3	0	0	0	24	0	0	643000	0	1110	989.63
1/24/2010	6.4	5.8	0	0	0	24	0	0	727000	0	1110	989.75
1/25/2010	4.7	5.4	0	0	0	24	0	0	611000	0	1100	981.49
1/26/2010	2.8	6.6	0	0	0	24	0	0	560000	0	1170	985.11
1/27/2010	5.7	2.7	0	0	0	24	0	0	502000	0	1090	982.86
1/28/2010	4.7	5.2	0	0	0	24	0	0	595000	0	1100	1001.21
1/29/2010	2.8	6.2	0	0	0	24	0	0	528000	0	1080	985.78
1/30/2010	5.2	3.8	0	0	0	24	0	0	536000	0	1110	954.46
1/31/2010	5.9	5.4	0	0	0	24	0	0	694000	0	1090	1000.35
2/1/2010	2.5	7.1	0	0	0	24	0	0	566000	0	1080	951.73
2/2/2010	5.2	4.7	0	0	0	24	0	0	586000	0	1080	966.1
2/3/2010	6.1	3.5	0	0	0	24	0	0	594000	0	1090	1018.35
2/4/2010	3.7	5.4	0	0	0	24	0	0	535000	0	1150	963.85
2/5/2010	3.4	5.8	0	0	0	24	0	0	555000	0	1140	971.17
2/6/2010	5.4	3	0	0	0	24	0	0	494000	0	1090	977.5
2/7/2010	4.1	5.2	0	0	0	24	0	0	558000	0	1100	980.21
2/8/2010	3.8	6	0	0	0	24	0	0	588000	0	1080	976.1
2/9/2010	5.6	2.8	0	0	0	24	0	0	500000	0	1080	967.29
2/10/2010	4.1	5.3	0	0	0	24	0	0	556000	0	1090	964.26
2/11/2010	3.4	6.2	0	0	0	24	0	0	566000	0	1040	990.1
2/12/2010	6.2	2.7	0	0	0	24	0	0	511000	0	1070	948.65
2/13/2010	5.3	5.5	0	0	0	24	0	0	656000	0	1110	1002.69
2/14/2010	3.1	5.9	0	0	0	24	0	0	522000	0	1100	968.11
2/15/2010	4.8	5.8	0	0	0	24	0	0	643000	0	1090	987.01
2/16/2010	5.7	2.9	0	0	0	24	0	0	504000	0	1100	978.6
2/17/2010	5.4	5.1	0	0	0	24	0	0	646000	0	1150	999.43
2/18/2010	4	5.2	0	0	0	24	0	0	564000	0	1100	1001.96
2/19/2010	3.6	6.6	0	0	0	24	0	0	596000	0	1070	963.01
2/20/2010	6.1	3.6	0	0	0	24	0	0	550000	0	1070	949.28
2/21/2010	5.3	5.7	0	0	0	24	0	0	675000	0	1090	997.14
2/22/2010	3	6.8	0	0	0	24	0	0	581000	0	1100	983.84
2/23/2010	6.1	2.6	0	0	0	24	0	0	507000	0	1100	979.77
2/24/2010	5.3	4.8	0	0	0	24	0	0	619000	0	1110	999.41
2/25/2010	2.4	5.8	0	0	0	24	0	0	499000	0	1130	991.2
2/26/2010	4.9	5.5	0	0	0	24	0	0	619000	0	1090	973.87
2/27/2010	6.2	3.2	0	0	0	24	0	0	527000	0	1070	914.21
2/28/2010	5.4	5.2	0	0	0	24	0	0	647000	0	1140	1015
3/1/2010	2.9	6.6	0	0	0	24	0	0	561000	0	1060	979.37
3/2/2010	5.3	2.6	0	0	0	24	0	0	479000	0	1080	1002.28
3/3/2010	5.5	4.9	0	0	0	24	0	0	628000	0	1110	1011.64
3/4/2010	2.4	6.2	0	0	0	24	0	0	517000	0	1220	959.89
3/5/2010	4.7	6	0	0	0	24	0	0	636000	0	1110	968.35
3/6/2010	5.4	3.5	0	0	0	24	0	0	537000	0	1090	990.34
3/7/2010	6	5.5	0	0	0	24	0	0	702000	0	1090	1005.69
3/8/2010	2.5	6.6	0	0	0	24	0	0	206000	0	1020	973.43
3/9/2010	6.1	2.7	0	0	0	24	0	0	0	0	0	0
3/10/2010	3.3	6.8	0	0	0	24	0	0	0	0	0	0

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Flow Total	Flow Low	Flow High	Flow Rate Average
3/11/2010	5.5	3	0	0	0	24	0	0	0	0	0	0
3/12/2010	2.3	6.3	0	0	0	24	0	0	309000	0	1080	944.63
3/13/2010	5.2	2.9	0	0	0	24	0	0	475000	0	1160	944.58
3/14/2010	4.4	5.2	0	0	0	24	0	0	577000	0	1120	973.2
3/15/2010	3	5.6	0	0	0	24	0	0	523000	0	1090	984.6
3/16/2010	6	2.3	0	0	0	24	0	0	505000	0	1090	992.02
3/17/2010	2.3	6.1	0	0	0	24	0	0	502000	0	1170	974.12
3/18/2010	5.2	4.4	0	0	0	24	0	0	564000	0	1120	957.63
3/19/2010	6	3.6	0	0	0	24	0	0	568000	0	1110	983.71
3/20/2010	3	6.1	0	0	0	24	0	0	551000	0	1120	1003.85
3/21/2010	5	6.2	0	0	0	24	0	0	676000	0	1120	991.15
3/22/2010	5.5	2.5	0	0	0	24	0	0	501000	0	1100	1036.13
3/23/2010	5	4.2	0	0	0	24	0	0	524000	0	1140	937.96
3/24/2010	2.3	6.1	0	0	0	24	0	0	515000	0	1140	986.74
3/25/2010	5.4	2.4	0	0	0	24	0	0	493000	0	1100	1028.99
3/26/2010	2.2	5.7	0	0	0	24	0	0	468000	0	1170	974
3/27/2010	5.8	3	0	0	0	24	0	0	491000	0	1020	903.93
3/28/2010	4.3	4.9	0	0	0	24	0	0	550000	0	1120	991.74
3/29/2010	3.1	5.2	0	0	0	24	0	0	496000	0	1130	986.79
3/30/2010	5	2.8	0	0	0	24	0	0	481000	0	1140	1017.82
3/31/2010	2.8	5.4	0	0	0	24	0	0	503000	0	1140	1007.95
4/1/2010	5.4	2.6	0	0	0	24	0	0	506000	0	1130	1032.96
4/2/2010	4.9	6.5	0	0	0	24	0	0	658000	0	1140	947.02
4/3/2010	3	7.3	0	0	0	24	0	0	578000	0	1100	922.21
4/4/2010	5.6	3.9	0	0	0	23	0	0	586000	0	1120	1008.13
4/5/2010	2.4	6.8	0	0	0	24	0	0	559000	0	1130	971.16
4/6/2010	5.6	3.4	0	0	0	24	0	0	535000	0	1110	979.22
4/7/2010	5.8	4.7	0	0	0	24	0	0	646000	0	1110	1020.47
4/8/2010	2.3	5.9	0	0	0	24	0	0	484000	0	1110	969.27
4/9/2010	5	3.7	0	0	0	24	0	0	504000	0	1170	954.48
4/10/2010	5.2	5.7	0	0	0	24	0	0	653000	0	1140	995.6
4/11/2010	3	6.8	0	0	0	24	0	0	606000	0	1140	1025.61
4/12/2010	7.9	3.7	0	0	0	24	0	0	649000	0	1240	916.41
4/13/2010	2.9	8.7	0	0	0	24	0	0	661000	0	1140	942.07
4/14/2010	7.7	3.3	0	0	0	24	0	0	667000	0	1140	989.1
4/15/2010	6.8	6.4	0	0	0	24	0	0	796000	0	1150	996.59
4/16/2010	2.8	7.8	0	0	0	24	0	0	631000	0	1140	968.15
4/17/2010	5.5	5.4	0	0	0	24	0	0	632000	0	1150	946.79
4/18/2010	2.8	12.9	0	0	0	24	0	0	800000	0	1130	834.62
4/19/2010	8.1	4.1	0	0	0	24	0	0	725000	0	1150	973.55
4/20/2010	2.7	8.2	0	0	0	24	0	0	629000	0	1120	966.7
4/21/2010	5.5	7.7	0	0	0	24	0	0	782000	0	1120	979.09
4/22/2010	8.9	3.2	0	0	0	24	0	0	742000	0	1140	1008.85
4/23/2010	5.8	5.2	0	0	0	24	0	0	686000	0	1120	1010.09
4/24/2010	3.7	5.9	0	0	0	24	0	0	582000	0	1150	994.06
4/25/2010	4.2	6.7	0	0	0	24	0	0	639000	0	1100	966.64
4/26/2010	5.8	2.9	0	0	0	24	0	0	515000	0	1100	986.21
4/27/2010	5.2	5.1	0	0	0	24	0	0	618000	0	1130	972.88
4/28/2010	2.6	6.9	0	0	0	24	0	0	565000	0	1120	954.74
4/29/2010	4.7	5.7	0	0	0	24	0	0	629000	0	1100	968.68
4/30/2010	6.3	3.4	0	0	0	24	0	0	575000	0	1130	989.18
5/1/2010	4.9	5.6	0	0	0	24	0	0	621000	0	1130	965.05
5/2/2010	2.9	6.1	0	0	0	24	0	0	529000	0	1130	970.44
5/3/2010	5	5.8	0	0	0	24	0	0	631000	0	1130	953.49
5/4/2010	5.9	3.5	0	0	0	24	0	0	585000	0	1120	1019.06
5/5/2010	5.2	5.9	0	0	0	24	0	0	669000	0	1160	983.39
5/6/2010	3.2	8.5	0	0	0	24	0	0	670000	0	1100	937.71
5/7/2010	6	7.2	0	0	0	24	0	0	701000	0	1140	875.15
5/8/2010	2.8	6.2	0	0	0	24	0	0	530000	0	1150	941.94
5/9/2010	5.7	6.3	0	0	0	24	0	0	652000	0	1120	884.26
5/10/2010	3	11	0	0	0	24	0	0	689000	0	1150	805.96
5/11/2010	5.6	7.6	0	0	0	24	0	0	678000	0	1080	849.85
5/12/2010	5.5	5.3	0	0	0	24	0	0	659000	0	1140	999.72
5/13/2010	2.5	9.2	0	0	0	24	0	0	642000	0	1180	902.65
5/14/2010	6.7	5.5	0	0	0	24	0	0	668000	0	1130	911.23
5/15/2010	3.5	11.2	0	0	0	24	0	0	747000	0	1130	841.16
5/16/2010	5.2	6.9	0	0	0	24	0	0	642000	0	1090	861.21
5/17/2010	2.5	6.2	0	0	0	24	0	0	522000	0	1040	976.93
5/18/2010	4.8	5.7	0	0	0	24	0	0	605000	0	1110	931.23
5/19/2010	5.9	4.3	0	0	0	24	0	0	586000	0	1100	939.32

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	Flow High	Flow Rate Average
5/20/2010	4.7	7.2	0	0	0	24	0	0	184000	0	1060	861.14
5/21/2010	5.8	5	0	0	0	24	0	0	331000	0	1100	967.54
5/22/2010	3.2	10.4	0	0	0	24	0	0	667000	0	1090	798.32
5/23/2010	3.3	11.5	0	0	0	24	0	0	669000	0	1170	748.04
5/24/2010	0	24	0	0	0	24	0	0	850000	460	720	582.67
5/25/2010	3.9	11.5	0	0	0	24	0	0	705000	0	1120	749.35
5/26/2010	0	24	0	0	0	24	0	0	842000	450	730	578.5
5/27/2010	0	24	0	0	0	24	0	0	916000	410	790	628.88
5/28/2010	8.3	5.8	0	0	0	24	0	0	807000	0	1120	934.82
5/29/2010	4	8.4	0	0	0	24	0	0	777000	0	1150	1018.25
5/30/2010	6.8	8.2	0	0	0	24	0	0	888000	0	1160	973.07
5/31/2010	4	13.2	0	0	0	24	0	0	904000	0	1150	871.74
6/1/2010	10.2	7	0	0	0	24	0	0	941000	0	1150	888.69
6/2/2010	3.7	11.8	0	0	0	24	0	0	928000	0	1210	967.03
6/3/2010	0	24	0	0	0	24	0	0	988000	520	900	680.54
6/4/2010	0	24	0	0	0	24	0	0	964000	500	790	661.58
6/5/2010	3.9	12.6	0	0	0	24	0	0	782000	0	1150	782.18
6/6/2010	7.4	5.9	0	0	0	24	0	0	806000	0	1180	880.2
6/7/2010	5.2	21.4	0	0	0	24	0	0	1061000	0	1250	819.49
6/10/2010	3.1	1.5	0	0	0	7.5	0	0	304000	0	1150	877.89
6/11/2010	3.4	9	0	0	0	24	0	0	783000	0	1180	1036.11
6/12/2010	6	6.5	0	0	0	24	0	0	738000	0	1140	978.24
6/13/2010	3.9	14	0	0	0	24	0	0	838000	0	1220	771.9
6/14/2010	7.6	2.7	0	0	0	24	0	0	629000	0	1120	927.08
6/15/2010	7.5	5.6	0	0	0	24	0	0	783000	0	1140	981.35
6/16/2010	2.5	6.6	0	0	0	24	0	0	650000	0	1180	725.7
6/17/2010	10	4.3	0	0	0	24	0	0	815000	0	1130	784.56
6/18/2010	3.4	13.7	0	0	0	24	0	0	967000	0	1170	932.11
6/19/2010	5.2	12.5	0	0	0	24	0	0	841000	0	1200	784.35
6/20/2010	2.8	14.7	0	0	0	24	0	0	875000	0	1220	822.67
6/21/2010	2.7	21.3	0	0	0	21.6	0	0	991000	0	1380	740.37
6/22/2010	6.2	11.7	0	0	0	24	0	0	895000	0	1140	821.73
6/23/2010	0	24	0	0	0	24	0	0	1020000	500	1060	701.92
6/24/2010	2.6	18.1	0	0	0	24	0	0	884000	0	1140	698.7
6/25/2010	4	10.4	0	0	0	24	0	0	915000	0	1180	997.17
6/26/2010	4.7	14.2	0	0	0	24	0	0	881000	0	1090	764.68
6/27/2010	0	24	0	0	0	24	0	0	1019000	520	890	702.21
6/28/2010	5.5	12.1	0	0	0	24	0	0	912000	0	1180	848.36
6/29/2010	4.4	10	0	0	0	24	0	0	950000	0	1210	899.08
6/30/2010	9.6	8.2	0	0	0	24	0	0	1086000	0	1160	940.99
7/1/2010	3.6	8.8	0	0	0	18.3	0	0	1047000	0	1160	841.62
7/2/2010	14.2	8.7	0	0	0	24	0	0	1309000	0	1840	1000.74
7/3/2010	9.9	8.1	0	0	0	24	0	0	1232000	0	1280	973.16
7/4/2010	9.1	8.6	0	0	0	24	0	0	1208000	0	1250	987.04
7/5/2010	0	21.1	0	0	0	24	0	0	1418000	0	1270	1108.96
7/6/2010	13.8	7.8	0	0	0	24	0	0	1256000	0	1620	1075.34
7/7/2010	8.5	24	0	0	0	24	0	0	1470000	590	1650	1013.42
7/8/2010	7.1	23.2	0	0	0	24	0	0	1363000	0	1500	954.89
7/9/2010	9.3	2.5	0	0	0	24	0	0	777000	0	1120	1012.29
7/10/2010	7	5.7	0	0	0	24	0	0	792000	0	1140	1004.58
7/11/2010	3.5	9.6	0	0	0	24	0	0	840000	0	1170	950
7/12/2010	12.8	2.8	0	0	0	24	0	0	941000	0	1150	997.39
7/13/2010	6.5	6.2	0	0	0	24	0	0	778000	0	1160	992.48
7/14/2010	2.9	9.2	0	0	0	24	0	0	776000	0	1230	949.56
7/15/2010	10.2	3.3	0	0	0	24	0	0	826000	0	1210	942.69
7/16/2010	10.5	6.2	0	0	0	24	0	0	1066000	0	1150	920.16
7/17/2010	4.6	7	0	0	0	24	0	0	719000	0	1170	968.31
7/18/2010	5.4	7.5	0	0	0	24	0	0	853000	0	1200	880.75
7/20/2010	2.9	5	0	0	0	15.6	0	0	501000	0	1140	1024.2
7/21/2010	8.1	2.5	0	0	0	24	0	0	651000	0	1130	998.97
7/22/2010	5.3	6.8	0	0	0	24	0	0	725000	0	1160	885.15
7/23/2010	2.6	8.7	0	0	0	24	0	0	741000	0	1170	821.41
7/24/2010	7.3	5.5	0	0	0	24	0	0	893000	0	1240	850.75
7/25/2010	7.5	4	0	0	0	24	0	0	781000	0	1260	880.74
7/26/2010	3.5	11.2	0	0	0	24	0	0	941000	0	1210	996.52
7/27/2010	5	7.3	0	0	0	24	0	0	831000	0	1210	822.22
7/28/2010	8.6	2.7	0	0	0	24	0	0	743000	0	1160	907.33
7/29/2010	7.4	6.6	0	0	0	24	0	0	876000	0	1160	843.68
7/30/2010	3.9	10	0	0	0	24	0	0	934000	0	1210	948.4
7/31/2010	8.3	4.2	0	0	0	24	0	0	771000	0	1150	888.67

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
8/1/2010	4.2	8.4	0	0	0	24	0	0	814000	0	1190	854.08
8/2/2010	11.1	3.9	0	0	0	24	0	0	954000	0	1130	912.03
8/3/2010	6.7	8.2	0	0	0	24	0	0	930000	0	1260	1031.8
8/4/2010	8.8	12.1	0	0	0	24	0	0	1068000	0	1580	1039.59
8/5/2010	4.7	9	0	0	0	24	0	0	912000	0	1280	1001.6
8/6/2010	6.4	13.1	0	0	0	24	0	0	1027000	0	1600	1142.82
8/7/2010	10.4	11.3	0	0	0	24	0	0	1133000	0	1550	859.82
8/8/2010	13.8	9.8	0	0	0	24	0	0	1149000	0	1590	940.25
8/9/2010	15.8	14.4	0	0	0	23.9	0	0	1258000	0	1580	1127.88
8/10/2010	11.7	14.7	0	0	0	24	0	0	1128000	0	1630	1199.49
8/11/2010	13.6	12	0	0	0	24	0	0	1116000	0	1580	1225.03
8/12/2010	14.1	13	0	0	0	24	0	0	1254000	0	1560	1130.54
8/13/2010	13.9	16.6	0	0	0	24	0	0	1292000	0	1620	1209.94
8/16/2010	4.8	4.7	0	0	0	15.4	0	0	406000	0	1320	1090.16
8/17/2010	9	14.1	0	0	0	24	0	0	946000	0	1430	881.75
8/18/2010	6.9	12.5	0	0	0	24	0	0	807000	0	1270	961.93
8/19/2010	7.4	9.7	0	0	0	24	0	0	921000	0	1280	1005.36
8/20/2010	8.1	14.1	0	0	0	24	0	0	951000	0	1420	979.01
8/21/2010	12.4	14.3	0	0	0	24	0	0	1027000	0	1480	999.65
8/22/2010	11.3	11.4	0	0	0	24	0	0	940000	0	1550	1189.08
8/23/2010	4.2	7.5	0	0	0	13.9	0	0	1047000	0	1250	1008.54
8/24/2010	12.2	2.6	0	0	0	24	0	0	910000	0	1140	1003.67
8/25/2010	3.6	11.9	0	0	0	24	0	0	999000	0	1260	1032.17
8/26/2010	12	3.8	0	0	0	24	0	0	1000000	0	1150	1036.6
8/27/2010	8.2	11.1	0	0	0	24	0	0	1077000	0	1610	1104.41
8/28/2010	11.2	7.9	0	0	0	24	0	0	1191000	0	1150	1024.46
8/29/2010	4.4	13.3	0	0	0	24	0	0	1197000	0	1260	1014.26
8/30/2010	9.1	13.1	0	0	0	24	0	0	1225000	0	1620	1107
8/31/2010	10.6	6.3	0	0	0	24	0	0	1075000	0	1220	948.51
9/1/2010	12.3	6.9	0	0	0	24	0	0	1220000	0	1300	1054.76
9/2/2010	14.7	3.3	0	0	0	24	0	0	1146000	0	1250	912.27
9/3/2010	9.3	11	0	0	0	24	0	0	1101000	0	1520	1048.09
9/4/2010	11	6.4	0	0	0	24	0	0	1121000	0	1200	1061.6
9/5/2010	7.6	12.8	0	0	0	24	0	0	1204000	0	1290	937.63
9/6/2010	12.3	13.4	0	0	0	24	0	0	1369000	0	1600	1095.83
9/7/2010	11.9	4.3	0	0	0	24	0	0	1045000	0	1230	986.17
9/8/2010	8.5	11.7	0	0	0	24	0	0	1101000	0	1630	1024.1
9/9/2010	11.4	5.6	0	0	0	24	0	0	1072000	0	1190	1009.72
9/10/2010	3.7	11.6	0	0	0	24	0	0	963000	0	1310	1035.07
9/11/2010	8.5	4.9	0	0	0	24	0	0	866000	0	1420	1048.03
9/12/2010	4.9	10.4	0	0	0	24	0	0	998000	0	1200	967.02
9/13/2010	15.1	3.5	0	0	0	24	0	0	1171000	0	1260	1006.88
9/14/2010	4.5	11.9	0	0	0	24	0	0	1063000	0	1280	1021.63
9/15/2010	9.3	6.5	0	0	0	24	0	0	1060000	0	1220	1052.22
9/16/2010	7.5	7.2	0	0	0	24	0	0	925000	0	1330	982.69
9/17/2010	10.9	5.3	0	0	0	24	0	0	1033000	0	1160	1044.91
9/18/2010	8.6	7.4	0	0	0	24	0	0	1101000	0	1230	1007.64
9/19/2010	12.7	6.6	0	0	0	24	0	0	1234000	0	1210	1018.2
9/20/2010	8.6	10.7	0	0	0	24	0	0	1075000	0	1610	971.48
9/21/2010	5.3	12.9	0	0	0	24	0	0	1141000	0	1260	835.4
9/22/2010	16.4	2.9	0	0	0	24	0	0	1226000	0	1150	993.07
9/23/2010	0.9	17.8	0	0	0	24	0	0	1159000	0	1270	961.1
9/24/2010	18.9	0	0	0	0	24	0	0	1215000	0	1160	1065.77
9/25/2010	4.1	8.8	0	0	0	24	0	0	911000	0	1230	929.75
9/26/2010	5.8	8.7	0	0	0	24	0	0	910000	0	1250	1002.72
9/27/2010	11.7	0	0	0	0	24	0	0	781000	0	1170	981.37
9/28/2010	4.8	10.8	0	0	0	24	0	0	984000	0	1260	885.9
9/29/2010	8	8.5	0	0	0	24	0	0	1052000	0	1230	895.39
9/30/2010	9.4	1.8	0	0	0	24	0	0	722000	0	1160	959.28
10/1/2010	4.6	12.9	0	0	0	24	0	0	1114000	0	1270	1039.15
10/2/2010	6.7	11.7	0	0	0	24	0	0	1024000	0	1310	743.51
10/3/2010	8.8	3.3	0	0	0	24	0	0	722000	0	1130	997.27
10/4/2010	0	13.8	0	0	0	24	0	0	843000	0	1290	1015.22
10/5/2010	10.7	4.9	0	0	0	24	0	0	981000	0	1190	1039.04
10/8/2010	0.7	7.8	0	0	0	14.7	0	0	544000	0	1140	1056.59
10/9/2010	14.6	3.3	0	0	0	24	0	0	1111000	0	1160	939.49
10/10/2010	0.9	16.1	0	0	0	24	0	0	1063000	0	1340	1033.77
10/11/2010	0	24	0	0	0	24	0	0	1256000	650	1070	864.92
10/12/2010	4.9	10.5	0	0	0	24	0	0	878000	0	1110	698.12
10/13/2010	9.2	7.6	0	0	0	24	0	0	1047000	0	1190	1024.29

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
10/14/2010	8.4	1.9	0	0	0	24	0	0	650000	0	1170	825.62
10/15/2010	4.3	12.5	0	0	0	24	0	0	1106000	0	1330	1065.21
10/16/2010	7.1	10.9	0	0	0	24	0	0	973000	0	1300	767.14
10/17/2010	11.7	5.9	0	0	0	24	0	0	1073000	0	1170	827.89
10/18/2010	1.1	16.7	0	0	0	24	0	0	1028000	0	1300	957.87
10/19/2010	10.4	0	0	0	0	24	0	0	704000	0	1170	1103.33
10/20/2010	0	20.4	0	0	0	24	0	0	1200000	0	1250	970.44
10/21/2010	6.5	5.3	0	0	0	24	0	0	787000	0	1200	1072.4
10/22/2010	9.9	7.1	0	0	0	24	0	0	1043000	0	1210	972.32
10/23/2010	12.5	1.2	0	0	0	24	0	0	921000	0	1170	987.94
10/24/2010	0	17.2	0	0	0	24	0	0	1004000	0	1280	963.66
10/25/2010	8.7	1.3	0	0	0	24	0	0	654000	0	1140	1058.61
10/26/2010	6.5	7.2	0	0	0	24	0	0	863000	0	1170	924
10/27/2010	1.6	5.9	0	0	0	24	0	0	522000	0	1230	1134.8
10/28/2010	6.2	7.4	0	0	0	24	0	0	804000	0	1180	973.07
10/29/2010	6.7	1.1	0	0	0	24	0	0	528000	0	1170	1054.02
10/30/2010	8.9	6.4	0	0	0	24	0	0	895000	0	1170	813.04
10/31/2010	0	8.5	0	0	0	24	0	0	592000	0	1270	1136.05
11/1/2010	8.6	3.4	0	0	0	24	0	0	720000	0	1210	983.31
11/2/2010	7.9	3.8	0	0	0	24	0	0	733000	0	1180	865.93
11/3/2010	0.3	6	0	0	0	24	0	0	439000	0	1230	1041.88
11/4/2010	6.9	7	0	0	0	24	0	0	811000	0	1110	959
11/5/2010	6.1	0.1	0	0	0	24	0	0	393000	0	1140	1070.65

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	Flow High	Flow Rate Average
11/6/2010	0	6.6	0	0	0	24	0	0	462000	0	1200	1155.91
11/7/2010	6.8	7.2	0	0	0	24	0	0	814000	0	1170	954.61
11/8/2010	6.5	0	0	0	0	24	0	0	433000	0	1190	1099.08
11/9/2010	5.8	7.7	0	0	0	24	0	0	804000	0	1190	901.44
11/10/2010	1.7	7.6	0	0	0	24	0	0	564000	0	1230	997.77
11/11/2010	7.3	0.6	0	0	0	24	0	0	537000	0	1170	1088.63
11/12/2010	7.4	6.2	0	0	0	24	0	0	795000	0	1160	818.07
11/13/2010	0	7.6	0	0	0	24	0	0	533000	0	1220	1145.07
11/14/2010	7.9	0.4	0	0	0	24	0	0	545000	0	1120	1064.05
11/15/2010	7	5.9	0	0	0	24	0	0	773000	0	1210	770.48
11/16/2010	0	5.9	0	0	0	24	0	0	387000	0	1180	1062.17
11/17/2010	6.6	1.8	0	0	0	24	0	0	531000	0	1130	1040.71
11/18/2010	6.7	5.4	0	0	0	24	0	0	681000	0	1120	806.36
11/19/2010	0	6	0	0	0	24	0	0	396000	0	1210	1087.83
11/20/2010	7.6	2.7	0	0	0	24	0	0	643000	0	1140	1013.46
11/21/2010	7.7	3.6	0	0	0	24	0	0	709000	0	1160	982.5
11/22/2010	0.2	6.2	0	0	0	24	0	0	449000	0	1260	1129.69
11/23/2010	7	6.7	0	0	0	24	0	0	778000	0	1140	891.86
11/24/2010	6.7	0	0	0	0	24	0	0	438000	0	1170	607.73
11/25/2010	0	7.2	0	0	0	24	0	0	508000	0	1220	1132.57
11/26/2010	6.5	3.6	0	0	0	24	0	0	623000	0	1120	1020
11/27/2010	7	2.8	0	0	0	24	0	0	576000	0	1140	745.74
11/28/2010	0	6.8	0	0	0	24	0	0	464000	0	1190	1117.1
11/29/2010	7.2	1.5	0	0	0	24	0	0	549000	0	1170	1026.14
11/30/2010	6.4	5	0	0	0	24	0	0	652000	0	1130	956.14
12/1/2010	0	5.8	0	0	0	24	0	0	380000	0	1170	1086.03
12/2/2010	6.5	1.1	0	0	0	24	0	0	499000	0	1210	1021.36
12/3/2010	6.6	5.3	0	0	0	24	0	0	680000	0	1080	898.89
12/4/2010	0	6.2	0	0	0	24	0	0	426000	0	1210	1120.65
12/5/2010	7.1	0	0	0	0	24	0	0	473000	0	1160	1100.42
12/6/2010	3.7	7.2	0	0	0	24	0	0	653000	0	1190	719.19
12/7/2010	2.7	6.6	0	0	0	24	0	0	572000	0	1130	966.84
12/8/2010	5.9	0	0	0	0	24	0	0	390000	0	1170	712.56
12/9/2010	4.4	7	0	0	0	24	0	0	688000	0	1180	799.72
12/10/2010	2.5	7.4	0	0	0	24	0	0	570000	0	1140	961.92
12/11/2010	7.8	0	0	0	0	24	0	0	506000	0	1170	1060.25
12/12/2010	1.4	7.1	0	0	0	24	0	0	559000	0	1190	1093.65
12/13/2010	4.9	6.C	0	0	0	24	0	0	702000	0	1130	1003.79
12/14/2010	6	0	0	0	0	24	0	0	404000	0	1170	1090.49
12/15/2010	5.2	7.1	0	0	0	24	0	0	719000	0	1060	946.64
12/16/2010	5.1	5.1	0	0	0	24	0	0	661000	0	1170	984.32
12/17/2010	4.7	4.7	0	0	0	24	0	0	638000	0	1210	861.23
12/18/2010	4.1	5.1	0	0	0	24	0	0	603000	0	1150	1067.63
12/19/2010	5.2	5	0	0	0	24	0	0	667000	0	1310	884.96
12/20/2010	4.4	4.5	0	0	0	24	0	0	572000	0	1170	1058.54
12/21/2010	4.1	4.6	0	0	0	24	0	0	527000	0	1130	981.57
12/22/2010	4.9	4.7	0	0	0	24	0	0	571000	0	1130	973.92
12/23/2010	5.1	4.5	0	0	0	24	0	0	580000	0	1170	953.8
12/24/2010	4.5	5.3	0	0	0	24	0	0	618000	0	1170	1033.67
12/25/2010	4.1	5.5	0	0	0	24	0	0	571000	0	1160	968.87
12/26/2010	4.8	5.6	0	0	0	24	0	0	608000	0	1110	959.81
12/27/2010	5.8	5.2	0	0	0	24	0	0	668000	0	1160	994.55
12/28/2010	5	4.9	0	0	0	24	0	0	599000	0	1150	997.98
12/29/2010	4.9	4.7	0	0	0	24	0	0	565000	0	1150	961.24
12/30/2010	4.9	4.6	0	0	0	24	0	0	568000	0	1170	983.23
12/31/2010	4.6	4.9	0	0	0	24	0	0	586000	0	1180	1017.79

#1	PUMP 1 =	2048.5 Hours	Average =	5.72
#2	PUMP 2 =	2579.1 Hours	Average =	7.2
#3	ENTRY ALARM =	0 Hours	Average =	0
#4	HIGH DISCH PSI =	0 Hours	Average =	0
#5	LOW SUCT PSI =	0 Hours	Average =	0
#6	POWER =	8529.9 Hours	Average =	23.83
#7	=	0 Hours	Average =	0
#8	=	0 Hours	Average =	0

Total Flow = 265,483,000 GAL
Flow Rate Low = 0 GPM
Flow Rate High = 1840 GPM
Flow Rate Average = 953.76 GPM

FLOW SUMMARY JAN 2010 - DEC 2010
CLAYS MILL RD METER #2
TAKEN FROM JSEWD TELEMETRY

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
1/1/2010	24	0	0	0	0	0	0	0	13000	0	22	19.14
1/2/2010	24	0	0	0	0	0	0	0	11000	0	23	20.15
1/3/2010	24	0	0	0	0	0	0	0	15000	0	23	20
1/4/2010	24	0	0	0	0	0	0	0	12000	0	23	19.83
1/5/2010	24	0	0	0	0	0	0	0	15000	0	23	21.13
1/6/2010	24	0	0	0	0	0	0	0	13000	0	23	20.6
1/7/2010	24	0	0	0	0	0	0	0	13000	0	23	20.15
1/8/2010	24	0	0	0	0	0	0	0	14000	0	24	20.26
1/9/2010	24	0	0	0	0	0	0	0	12000	0	22	19.11
1/10/2010	24	0	0	0	0	0	0	0	15000	0	23	20.33
1/11/2010	24	0.1	0	0	0	0	0	0	13000	0	23	20.69
1/12/2010	24	0	0	0	0	0	0	0	13000	0	25	19.93
1/13/2010	24	0	0	0	0	0	0	0	15000	0	22	19.82
1/14/2010	24	0	0	0	0	0	0	0	14000	0	22	19.5
1/15/2010	24	0	0	0	0	0	0	0	15000	0	21	19.55
1/16/2010	24	0	0	0	0	0	0	0	15000	0	22	20.16
1/17/2010	24	0	0	0	0	0	0	0	15000	0	23	20.24
1/18/2010	24	0	0	0	0	0	0	0	16000	0	23	19.81
1/19/2010	24	0	0	0	0	0	0	0	13000	0	22	20.05
1/20/2010	24	0.2	0	0	0	0	0	0	15000	0	23	20.25
1/21/2010	24	0	0	0	0	0	0	0	13000	0	24	20.02
1/22/2010	24	0	0	0	0	0	0	0	14000	0	23	19.81
1/23/2010	24	0	0	0	0	0	0	0	13000	0	23	20.05
1/24/2010	24	0	0	0	0	0	0	0	15000	0	23	20.09
1/25/2010	24	0	0	0	0	0	0	0	13000	0	22	19.88
1/26/2010	24	0	0	0	0	0	0	0	11000	0	24	19.89
1/27/2010	24	0	0	0	0	0	0	0	11000	0	22	19.93
1/28/2010	24	0	0	0	0	0	0	0	12000	0	22	20.34
1/29/2010	24	0	0	0	0	0	0	0	11000	0	22	20.09
1/30/2010	24	0	0	0	0	0	0	0	11000	0	23	19.72
1/31/2010	24	0	0	0	0	0	0	0	14000	0	22	20.37
2/1/2010	24	0	0	0	0	0	0	0	12000	0	22	19.52
2/2/2010	24	0	0	0	0	0	0	0	12000	0	22	19.57
2/3/2010	24	0	0	0	0	0	0	0	13000	0	22	20.68
2/4/2010	24	0	0	0	0	0	0	0	11000	0	23	19.49
2/5/2010	24	0	0	0	0	0	0	0	11000	0	23	19.71
2/6/2010	24	0	0	0	0	0	0	0	10000	0	22	19.9
2/7/2010	24	0	0	0	0	0	0	0	12000	0	22	19.86
2/8/2010	24	0	0	0	0	0	0	0	12000	0	22	20
2/9/2010	24	0	0	0	0	0	0	0	10000	0	22	19.83
2/10/2010	24	0	0	0	0	0	0	0	12000	0	22	19.41
2/11/2010	24	0	0	0	0	0	0	0	11000	0	22	20.15
2/12/2010	24	0	0	0	0	0	0	0	11000	0	22	19.21
2/13/2010	24	0	0	0	0	0	0	0	14000	0	23	20.3
2/14/2010	24	0	0	0	0	0	0	0	10000	0	22	19.63
2/15/2010	24	0	0	0	0	0	0	0	14000	0	22	20.09
2/16/2010	24	0	0	0	0	0	0	0	10000	0	22	19.94
2/17/2010	24	0	0	0	0	0	0	0	14000	0	23	20.54
2/18/2010	24	0	0	0	0	0	0	0	11000	0	23	20.33
2/19/2010	24	0	0	0	0	0	0	0	13000	0	23	19.81
2/20/2010	24	0	0	0	0	0	0	0	11000	0	22	19.22
2/21/2010	24	0	0	0	0	0	0	0	14000	0	22	20.24
2/22/2010	24	0	0	0	0	0	0	0	12000	0	23	20.16
2/23/2010	24	0	0	0	0	0	0	0	10000	0	23	19.94
2/24/2010	24	0	0	0	0	0	0	0	13000	0	23	20.26
2/25/2010	24	0	0	0	0	0	0	0	11000	0	24	20.02
2/26/2010	24	0	0	0	0	0	0	0	12000	0	22	19.76
2/27/2010	24	0	0	0	0	0	0	0	11000	0	22	18.47
2/28/2010	24	0	0	0	0	0	0	0	14000	0	23	20.65
3/1/2010	24	0	0	0	0	0	0	0	11000	0	21	19.87
3/2/2010	24	0	0	0	0	0	0	0	10000	0	22	20.33
3/3/2010	24	0	0	0	0	0	0	0	13000	0	23	20.52
3/4/2010	24	0	0	0	0	0	0	0	11000	0	25	19.36
3/5/2010	24	0	0	0	0	0	0	0	13000	0	23	19.73
3/6/2010	24	0	0	0	0	0	0	0	11000	0	23	20.08
3/7/2010	24	0	0	0	0	0	0	0	15000	0	22	20.33
3/8/2010	24	0	0	0	0	0	0	0	4000	0	21	19.14
3/9/2010	24	0	0	0	0	0	0	0	0	0	0	0
3/10/2010	24	0	0	0	0	0	0	0	0	0	0	0
3/11/2010	24	0	0	0	0	0	0	0	0	0	0	0
3/12/2010	24	0	0	0	0	0	0	0	7000	0	22	20.26

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
3/13/2010	24	0	0	0	0	0	0	0	9000	0	24	19.32
3/14/2010	24	0	0	0	0	0	0	0	12000	0	23	19.6
3/15/2010	24	0	0	0	0	0	0	0	11000	0	22	19.95
3/16/2010	24	0	0	0	0	0	0	0	11000	0	22	20.08
3/17/2010	24	0	0	0	0	0	0	0	10000	0	24	19.96
3/18/2010	24	0	0	0	0	0	0	0	11000	0	23	19.22
3/19/2010	24	0	0	0	0	0	0	0	12000	0	23	19.89
3/20/2010	24	0	0	0	0	0	0	0	12000	0	23	20.32
3/21/2010	24	0	0	0	0	0	0	0	14000	0	23	20.17
3/22/2010	24	0	0	0	0	0	0	0	10000	0	22	21.1
3/23/2010	24	0	0	0	0	0	0	0	11000	0	23	18.87
3/24/2010	24	0	0	0	0	0	0	0	10000	0	23	20.2
3/25/2010	24	0	0	0	0	0	0	0	10000	0	22	20.84
3/26/2010	24	0	0	0	0	0	0	0	10000	0	24	19.85
3/27/2010	24	0	0	0	0	0	0	0	10000	0	21	18.06
3/28/2010	24	0	0	0	0	0	0	0	11000	0	23	20.09
3/29/2010	24	0	0	0	0	0	0	0	11000	0	23	20.23
3/30/2010	24	0	0	0	0	0	0	0	10000	0	23	20.53
3/31/2010	24	0	0	0	0	0	0	0	10000	0	23	20.31
4/1/2010	24	0	0	0	0	0	0	0	10000	0	23	21.08
4/2/2010	24	0	0	0	0	0	0	0	14000	0	23	19.02
4/3/2010	24	0	0	0	0	0	0	0	12000	0	23	18.55
4/4/2010	23	0	0	0	0	0	0	0	12000	0	23	20.26
4/5/2010	24	0	0	0	0	0	0	0	11000	0	23	20.05
4/6/2010	24	0	0	0	0	0	0	0	11000	0	22	19.71
4/7/2010	24	0	0	0	0	0	0	0	14000	0	23	20.54
4/8/2010	24	0	0	0	0	0	0	0	9000	0	22	19.56
4/9/2010	24	0	0	0	0	0	0	0	11000	0	24	19.1
4/10/2010	24	0	0	0	0	0	0	0	13000	0	23	20.11
4/11/2010	24	0	0	0	0	0	0	0	13000	0	23	20.74
4/12/2010	24	0	0	0	0	0	0	0	13000	0	25	18.34
4/13/2010	24	0	0	0	0	0	0	0	13000	0	23	18.86
4/14/2010	24	0	0	0	0	0	0	0	14000	0	23	20.06
4/15/2010	24	0	0	0	0	0	0	0	16000	0	23	20.02
4/16/2010	24	0	0	0	0	0	0	0	13000	0	23	19.61
4/17/2010	24	0	0	0	0	0	0	0	13000	0	23	18.98
4/18/2010	24	0	0	0	0	0	0	0	16000	0	23	16.34
4/19/2010	24	0	0	0	0	0	0	0	15000	0	23	19.54
4/20/2010	24	0	0	0	0	0	0	0	13000	0	23	19.34
4/21/2010	24	0	0	0	0	0	0	0	16000	0	22	19.65
4/22/2010	24	0	0	0	0	0	0	0	15000	0	23	20.36
4/23/2010	24	0	0	0	0	0	0	0	14000	0	23	20.41
4/24/2010	24	0	0	0	0	0	0	0	12000	0	23	20.01
4/25/2010	24	0	0	0	0	0	0	0	13000	0	22	19.47
4/26/2010	24	0	0	0	0	0	0	0	10000	0	22	19.71
4/27/2010	24	0	0	0	0	0	0	0	13000	0	23	19.45
4/28/2010	24	0	0	0	0	0	0	0	11000	0	23	19.34
4/29/2010	24	0	0	0	0	0	0	0	13000	0	22	19.88
4/30/2010	24	0	0	0	0	0	0	0	12000	0	23	19.9
5/1/2010	24	0	0	0	0	0	0	0	13000	0	23	19.3
5/2/2010	24	0	0	0	0	0	0	0	11000	0	23	19.56
5/3/2010	24	0	0	0	0	0	0	0	12000	0	23	19.04
5/4/2010	24	0	0	0	0	0	0	0	12000	0	23	20.64
5/5/2010	24	0	0	0	0	0	0	0	14000	0	23	19.77
5/6/2010	24	0	0	0	0	0	0	0	14000	0	22	18.91
5/7/2010	24	0	0	0	0	0	0	0	14000	0	23	17.35
5/8/2010	24	0	0	0	0	0	0	0	11000	0	23	19.07
5/9/2010	24	0	0	0	0	0	0	0	13000	0	22	17.52
5/10/2010	24	0	0	0	0	0	0	0	14000	0	23	15.69
5/11/2010	24	0	0	0	0	0	0	0	13000	0	22	16.78
5/12/2010	24	0.1	0	0	0	0	0	0	14000	0	23	20.1
5/13/2010	24	0	0	0	0	0	0	0	13000	0	24	17.97
5/14/2010	24	0	0	0	0	0	0	0	13000	0	23	18.03
5/15/2010	24	0	0	0	0	0	0	0	15000	0	23	16.39
5/16/2010	24	0	0	0	0	0	0	0	13000	0	22	16.87
5/17/2010	24	0	0	0	0	0	0	0	11000	0	21	19.71
5/18/2010	24	0	0	0	0	0	0	0	12000	0	22	18.71
5/19/2010	24	0	0	0	0	0	0	0	12000	0	22	18.6
5/20/2010	24	0	0	0	0	0	0	0	4000	0	21	16.53
5/21/2010	24	0	0	0	0	0	0	0	5000	0	16	15.75
5/22/2010	24	0	0	0	0	0	0	0	13000	0	17	14.86
5/23/2010	24	0	0	0	0	0	0	0	13000	0	17	14.64

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
5/24/2010	24	0	0	0	0	0	0	0	21000	13	15	13.91
5/25/2010	24	0	0	0	0	0	0	0	14000	0	17	14.65
5/26/2010	24	0	0	0	0	0	0	0	21000	13	15	13.88
5/27/2010	24	0	0	0	0	0	0	0	21000	13	15	14.09
5/28/2010	24	0	0	0	0	0	0	0	14000	0	17	15.43
5/29/2010	24	0	0	0	0	0	0	0	13000	0	17	16.1
5/30/2010	24	0.1	0	0	0	0	0	0	15000	0	17	15.52
5/31/2010	24	0	0	0	0	0	0	0	16000	0	17	15.07
6/1/2010	24	0	0	0	0	0	0	0	16000	0	19	14.86
6/2/2010	24	0	0	0	0	0	0	0	15000	0	16	15.02
6/3/2010	24	0	0	0	0	0	0	0	21000	13	15	13.75
6/4/2010	24	0	0	0	0	0	0	0	20000	13	14	13.7
6/5/2010	24	0	0	0	0	0	0	0	15000	0	16	14.02
6/6/2010	24	0	0	0	0	0	0	0	14000	0	16	14.21
6/7/2010	24	0	0	0	0	0	0	0	19000	0	29	14.62
6/10/2010	7.5	0	0	0	0	0	0	0	6000	0	16	14.98
6/11/2010	24	0	0	0	0	0	0	0	18000	0	39	22.18
6/12/2010	24	0	0	0	0	0	0	0	14000	0	38	17.53
6/13/2010	24	0	0	0	0	0	0	0	16000	0	16	14.26
6/14/2010	24	0	0	0	0	0	0	0	11000	0	16	14.49
6/15/2010	24	0	0	0	0	0	0	0	13000	0	16	15.56
6/16/2010	24	0	0	0	0	0	0	0	13000	0	16	13.77
6/17/2010	24	0	0	0	0	0	0	0	15000	0	16	13.52
6/18/2010	24	0	0	0	0	0	0	0	16000	0	16	14.55
6/19/2010	24	0	0	0	0	0	0	0	15000	0	16	13.77
6/20/2010	24	0	0	0	0	0	0	0	16000	0	16	13.25
6/21/2010	21.6	0	0	0	0	0	0	0	19000	0	15	13.01
6/22/2010	24	0	0	0	0	0	0	0	15000	0	15	13.03
6/23/2010	24	0	0	0	0	0	0	0	19000	12	14	12.8
6/24/2010	24	0	0	0	0	0	0	0	18000	0	15	12.32
6/25/2010	24	0	0	0	0	0	0	0	13000	0	16	13.93
6/26/2010	24	0	0	0	0	0	0	0	17000	0	15	13.55
6/27/2010	24	0	0	0	0	0	0	0	20000	12	14	13.31
6/28/2010	24	0	0	0	0	0	0	0	17000	0	16	12.64
6/29/2010	24	0	0	0	0	0	0	0	15000	0	16	13.85
6/30/2010	24	0	0	0	0	0	0	0	18000	0	15	13.91
7/1/2010	18.3	0	0	0	0	0	0	0	18000	0	15	13.35
7/2/2010	24	0	0	0	0	0	0	0	19000	0	16	13.68
7/3/2010	24	0	0	0	0	0	0	0	18000	0	15	13.77
7/4/2010	24	0	0	0	0	0	0	0	18000	0	15	14
7/5/2010	24	0	0	0	0	0	0	0	19000	0	15	14.71
7/6/2010	24	0	0	0	0	0	0	0	18000	0	15	13.75
7/7/2010	24	0	0	0	0	0	0	0	20000	12	15	13.35
7/8/2010	24	0	0	0	0	0	0	0	19000	0	15	13.19
7/9/2010	24	0	0	0	0	0	0	0	13000	0	14	11.42
7/10/2010	24	0	0	0	0	0	0	0	13000	0	15	12.16
7/11/2010	24	0	0	0	0	0	0	0	14000	0	15	13.13
7/12/2010	24	0	0	0	0	0	0	0	14000	0	15	13.47
7/13/2010	24	0	0	0	0	0	0	0	14000	0	15	11.63
7/14/2010	24	0	0	0	0	0	0	0	12000	0	15	12.42
7/15/2010	24	0	0	0	0	0	0	0	14000	0	15	13.13
7/16/2010	24	0	0	0	0	0	0	0	16000	0	15	13.28
7/17/2010	24	0	0	0	0	0	0	0	14000	0	15	12.2
7/18/2010	24	0	0	0	0	0	0	0	14000	0	15	12.71
7/20/2010	15.6	0	0	0	0	0	0	0	9000	0	14	10.35
7/21/2010	24	0	0	0	0	0	0	0	11000	0	15	10.66
7/22/2010	24	0	0	0	0	0	0	0	15000	0	15	11.32
7/23/2010	24	0	0	0	0	0	0	0	13000	0	15	11.69
7/24/2010	24	0	0	0	0	0	0	0	15000	0	15	12.23
7/25/2010	24	0	0	0	0	0	0	0	13000	0	15	12.3
7/26/2010	24	0	0	0	0	0	0	0	16000	0	15	11.22
7/27/2010	24	0	0	0	0	0	0	0	14000	0	15	11.54
7/28/2010	24	0.1	0	0	0	0	0	0	12000	0	14	11.94
7/29/2010	24	0	0	0	0	0	0	0	15000	0	14	11.73
7/30/2010	24	0	0	0	0	0	0	0	15000	0	14	12.49
7/31/2010	24	0	0	0	0	0	0	0	13000	0	14	12.26
8/1/2010	24	0	0	0	0	0	0	0	13000	0	15	12.4
8/2/2010	24	0	0	0	0	0	0	0	16000	0	14	12.26
8/3/2010	24	0	0	0	0	0	0	0	15000	0	15	12.01
8/4/2010	24	0	0	0	0	0	0	0	15000	0	15	12.12
8/5/2010	24	0	0	0	0	0	0	0	15000	0	14	11.54
8/6/2010	24	0	0	0	0	0	0	0	15000	0	15	11.82

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
8/7/2010	24	0	0	0	0	0	0	0	17000	0	14	12.21
8/8/2010	24	0	0	0	0	0	0	0	16000	0	14	11.88
8/9/2010	24	0	0	0	0	0	0	0	16000	0	15	12.54
8/10/2010	24	0	0	0	0	0	0	0	14000	0	15	12.8
8/11/2010	24	0	0	0	0	0	0	0	14000	0	15	12.98
8/12/2010	24	0	0	0	0	0	0	0	17000	0	15	12.91
8/13/2010	24	0	0	0	0	0	0	0	16000	0	15	12.99
8/16/2010	15.4	0	0	0	0	0	0	0	8000	0	15	10.5
8/17/2010	24	0	0	0	0	0	0	0	16000	0	15	11.61
8/18/2010	24	0	0	0	0	0	0	0	13000	0	15	12.1
8/19/2010	24	0	0	0	0	0	0	0	15000	0	15	11.76
8/20/2010	24	0	0	0	0	0	0	0	15000	0	15	11.99
8/21/2010	24	0	0	0	0	0	0	0	16000	0	15	12.23
8/22/2010	24	0	0	0	0	0	0	0	13000	0	15	11.74
8/23/2010	13.9	0	0	0	0	0	0	0	16000	0	14	11.56
8/24/2010	24	0	0	0	0	0	0	0	12000	0	14	12.64
8/25/2010	24	0	0	0	0	0	0	0	15000	0	14	11.79
8/26/2010	24	0	0	0	0	0	0	0	15000	0	14	12.02
8/27/2010	24	0	0	0	0	0	0	0	14000	0	14	12.83
8/28/2010	24	0	0	0	0	0	0	0	16000	0	14	12.94
8/29/2010	24	0	0	0	0	0	0	0	16000	0	15	13.45
8/30/2010	24	0	0	0	0	0	0	0	16000	0	15	13.19
8/31/2010	24	0	0	0	0	0	0	0	16000	0	14	12.97
9/1/2010	24	0	0	0	0	0	0	0	16000	0	14	12.94
9/2/2010	24	0	0	0	0	0	0	0	18000	0	14	12.52
9/3/2010	24	0	0	0	0	0	0	0	15000	0	14	11.94
9/4/2010	24	0	0	0	0	0	0	0	16000	0	14	12.92
9/5/2010	24	0	0	0	0	0	0	0	17000	0	14	12.54
9/6/2010	24	0	0	0	0	0	0	0	17000	0	14	13.05
9/7/2010	24	0	0	0	0	0	0	0	15000	0	14	12.34
9/8/2010	24	0	0	0	0	0	0	0	15000	0	14	12.71
9/9/2010	24	0	0	0	0	0	0	0	16000	0	14	11.46
9/10/2010	24	0	0	0	0	0	0	0	13000	0	14	11.98
9/11/2010	24	0	0	0	0	0	0	0	13000	0	14	12.13
9/12/2010	24	0	0	0	0	0	0	0	15000	0	14	12.18
9/13/2010	24	0	0	0	0	0	0	0	17000	0	14	11.89
9/14/2010	24	0	0	0	0	0	0	0	16000	0	14	11.58
9/15/2010	24	0	0	0	0	0	0	0	14000	0	14	12.52
9/16/2010	24	0	0	0	0	0	0	0	15000	0	14	11.38
9/17/2010	24	0	0	0	0	0	0	0	16000	0	14	11.49
9/18/2010	24	0	0	0	0	0	0	0	16000	0	14	12.38
9/19/2010	24	0	0	0	0	0	0	0	17000	0	14	12.57
9/20/2010	24	0	0	0	0	0	0	0	16000	0	14	12.12
9/21/2010	24	0	0	0	0	0	0	0	18000	0	14	12.09
9/22/2010	24	0	0	0	0	0	0	0	18000	2	14	11.95
9/23/2010	24	0	0	0	0	0	0	0	17000	0	14	12.63
9/24/2010	24	0	0	0	0	0	0	0	15000	0	14	13.09
9/25/2010	24	0	0	0	0	0	0	0	14000	0	14	11.74
9/26/2010	24	0	0	0	0	0	0	0	15000	0	14	11.64
9/27/2010	24	0	0	0	0	0	0	0	13000	0	14	11.77
9/28/2010	24	0	0	0	0	0	0	0	16000	0	14	11.84
9/29/2010	24	0	0	0	0	0	0	0	17000	0	14	11.59
9/30/2010	24	0	0	0	0	0	0	0	11000	0	14	10.64
10/1/2010	24	0	0	0	0	0	0	0	17000	0	14	11.85
10/2/2010	24	0	0	0	0	0	0	0	17000	1	14	11.63
10/3/2010	24	0	0	0	0	0	0	0	13000	0	14	10.84
10/4/2010	24	0	0	0	0	0	0	0	13000	0	14	11.59
10/5/2010	24	0.1	0	0	0	0	0	0	14000	0	14	12.74
10/8/2010	14.7	0	0	0	0	0	0	0	10000	0	14	11.56
10/9/2010	24	0	0	0	0	0	0	0	17000	0	14	12.44
10/10/2010	24	0	0	0	0	0	0	0	15000	0	15	12.78
10/11/2010	24	0	0	0	0	0	0	0	20000	12	14	12.8
10/12/2010	24	0	0	0	0	0	0	0	16000	0	14	11.58
10/13/2010	24	0	0	0	0	0	0	0	18000	2	14	11.76
10/14/2010	24	0	0	0	0	0	0	0	12000	0	14	11.08
10/15/2010	24	0	0	0	0	0	0	0	17000	0	15	12.29
10/16/2010	24	0	0	0	0	0	0	0	17000	0	15	11.96
10/17/2010	24	0	0	0	0	0	0	0	17000	0	14	11.97
10/18/2010	24	0	0	0	0	0	0	0	14000	0	14	12.46
10/19/2010	24	0	0	0	0	0	0	0	12000	0	14	11.51
10/20/2010	24	0	0	0	0	0	0	0	17000	0	14	12.78
10/21/2010	24	0	0	0	0	0	0	0	13000	0	14	11.55

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
10/22/2010	24	0	0	0	0	0	0	0	18000	2	14	11.87
10/23/2010	24	0	0	0	0	0	0	0	14000	0	14	12.8
10/24/2010	24	0	0	0	0	0	0	0	14000	0	14	13.05
10/25/2010	24	0	0	0	0	0	0	0	9000	0	14	11.55
10/26/2010	24	0	0	0	0	0	0	0	16000	0	14	11.59
10/27/2010	24	0	0	0	0	0	0	0	9000	0	14	10.2
10/28/2010	24	0	0	0	0	0	0	0	16000	0	14	11.4
10/29/2010	24	0	0	0	0	0	0	0	9000	0	14	11.38
10/30/2010	24	0	0	0	0	0	0	0	16000	0	14	11.9
10/31/2010	24	0	0	0	0	0	0	0	9000	0	15	11.65

Date	Runtimes (hours) #1	#2	#3	#4	#5	#6	#7	#8	Total	Flow Low	High	Flow Rate Average
11/1/2010	24	0	0	0	0	0	0	0	13000	0	14	10.59
11/2/2010	24	0	0	0	0	0	0	0	15000	0	14	11.34
11/3/2010	24	0	0	0	0	0	0	0	8000	0	15	9.69
11/4/2010	24	0	0	0	0	0	0	0	14000	0	15	10.95
11/5/2010	24	0	0	0	0	0	0	0	8000	0	15	11.39
11/6/2010	24	0	0	0	0	0	0	0	9000	0	15	9.12
11/7/2010	24	0	0	0	0	0	0	0	15000	0	15	12.11
11/8/2010	24	0	0	0	0	0	0	0	8000	0	15	11.68
11/9/2010	24	0	0	0	0	0	0	0	17000	0	15	11.52
11/10/2010	24	0.1	0	0	0	0	0	0	10000	0	15	11.36
11/11/2010	24	0	0	0	0	0	0	0	9000	0	15	10.39
11/12/2010	24	0	0	0	0	0	0	0	16000	0	15	11.2
11/13/2010	24	0	0	0	0	0	0	0	8000	0	15	11.71
11/14/2010	24	0	0	0	0	0	0	0	9000	0	14	10.25
11/15/2010	24	0	0	0	0	0	0	0	13000	0	14	10.57
11/16/2010	24	0	0	0	0	0	0	0	7000	0	14	10.69
11/17/2010	24	0	0	0	0	0	0	0	9000	0	14	9.52
11/18/2010	24	0	0	0	0	0	0	0	11000	0	14	11.25
11/19/2010	24	0	0	0	0	0	0	0	8000	0	14	9.43
11/20/2010	24	0	0	0	0	0	0	0	11000	0	14	11.07
11/21/2010	24	0	0	0	0	0	0	0	11000	0	14	11.95
11/22/2010	24	0	0	0	0	0	0	0	8000	0	14	9.79
11/23/2010	24	0	0	0	0	0	0	0	13000	0	14	10.95
11/24/2010	24	0	0	0	0	0	0	0	9000	0	14	11.53
11/25/2010	24	0	0	0	0	0	0	0	7000	0	14	11.91
11/26/2010	24	0	0	0	0	0	0	0	13000	0	14	10.14
11/27/2010	24	0	0	0	0	0	0	0	11000	0	14	11.09
11/28/2010	24	0	0	0	0	0	0	0	7000	0	14	11.75
11/29/2010	24	0	0	0	0	0	0	0	9000	0	14	10.66
11/30/2010	24	0	0	0	0	0	0	0	11000	0	14	10.57
12/1/2010	24	0	0	0	0	0	0	0	8000	0	14	11.03
12/2/2010	24	0	0	0	0	0	0	0	9000	0	14	9.11
12/3/2010	24	0	0	0	0	0	0	0	12000	0	14	11.19
12/4/2010	24	0	0	0	0	0	0	0	9000	0	15	10.6
12/5/2010	24	0	0	0	0	0	0	0	7000	0	15	10.56
12/6/2010	24	0	0	0	0	0	0	0	14000	0	15	10.19
12/7/2010	24	0	0	0	0	0	0	0	12000	0	15	11.23
12/8/2010	24	0	0	0	0	0	0	0	8000	0	15	10.57
12/9/2010	24	0	0	0	0	0	0	0	13000	0	15	11.08
12/10/2010	24	0	0	0	0	0	0	0	13000	0	15	10.76
12/11/2010	24	0	0	0	0	0	0	0	8000	0	15	11.26
12/12/2010	24	0	0	0	0	0	0	0	11000	0	15	9.34
12/13/2010	24	0	0	0	0	0	0	0	14000	0	15	11.25
12/14/2010	24	0	0	0	0	0	0	0	7000	0	15	10.17
12/15/2010	24	0	0	0	0	0	0	0	11000	0	14	12.46
12/16/2010	24	0	0	0	0	0	0	0	11000	0	15	12.35
12/17/2010	24	0	0	0	0	0	0	0	11000	0	15	10.43
12/18/2010	24	0	0	0	0	0	0	0	10000	0	15	10.95
12/19/2010	24	0	0	0	0	0	0	0	11000	0	15	11.97
12/20/2010	24	0	0	0	0	0	0	0	10000	0	15	10.76
12/21/2010	24	0	0	0	0	0	0	0	9000	0	15	11.42
12/22/2010	24	0	0	0	0	0	0	0	12000	0	14	10.04
12/23/2010	24	0	0	0	0	0	0	0	10000	0	15	9.38
12/24/2010	24	0	0	0	0	0	0	0	10000	0	15	12.7
12/25/2010	24	0	0	0	0	0	0	0	10000	0	15	11.61
12/26/2010	24	0	0	0	0	0	0	0	11000	0	15	10.44
12/27/2010	24	0	0	0	0	0	0	0	11000	0	15	12.71
12/28/2010	24	0	0	0	0	0	0	0	11000	0	15	11.78
12/29/2010	24	0	0	0	0	0	0	0	11000	0	15	9.62
12/30/2010	24	0	0	0	0	0	0	0	10000	0	15	12.79
12/31/2010	24	0	0	0	0	0	0	0	10000	0	15	11.3

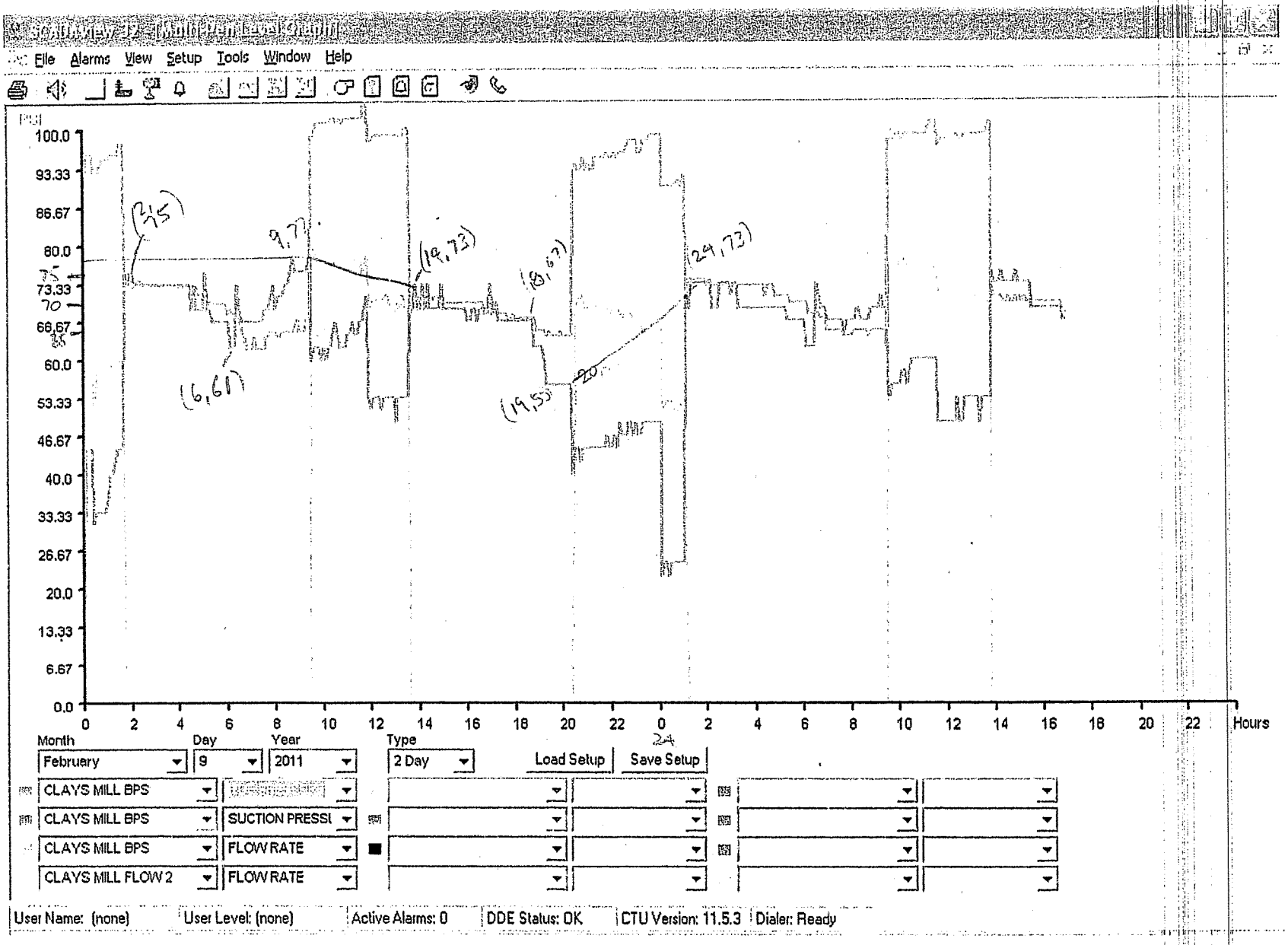
#1	=	8530 Hours	Average =	23.83
#2	=	0.8 Hours	Average =	0
#3	=	0 Hours	Average =	0
#4	=	0 Hours	Average =	0
#5	=	0 Hours	Average =	0
#6	=	0 Hours	Average =	0
#7	=	0 Hours	Average =	0
#8	=	0 Hours	Average =	0

Total Flow = 4,695,000 GAL

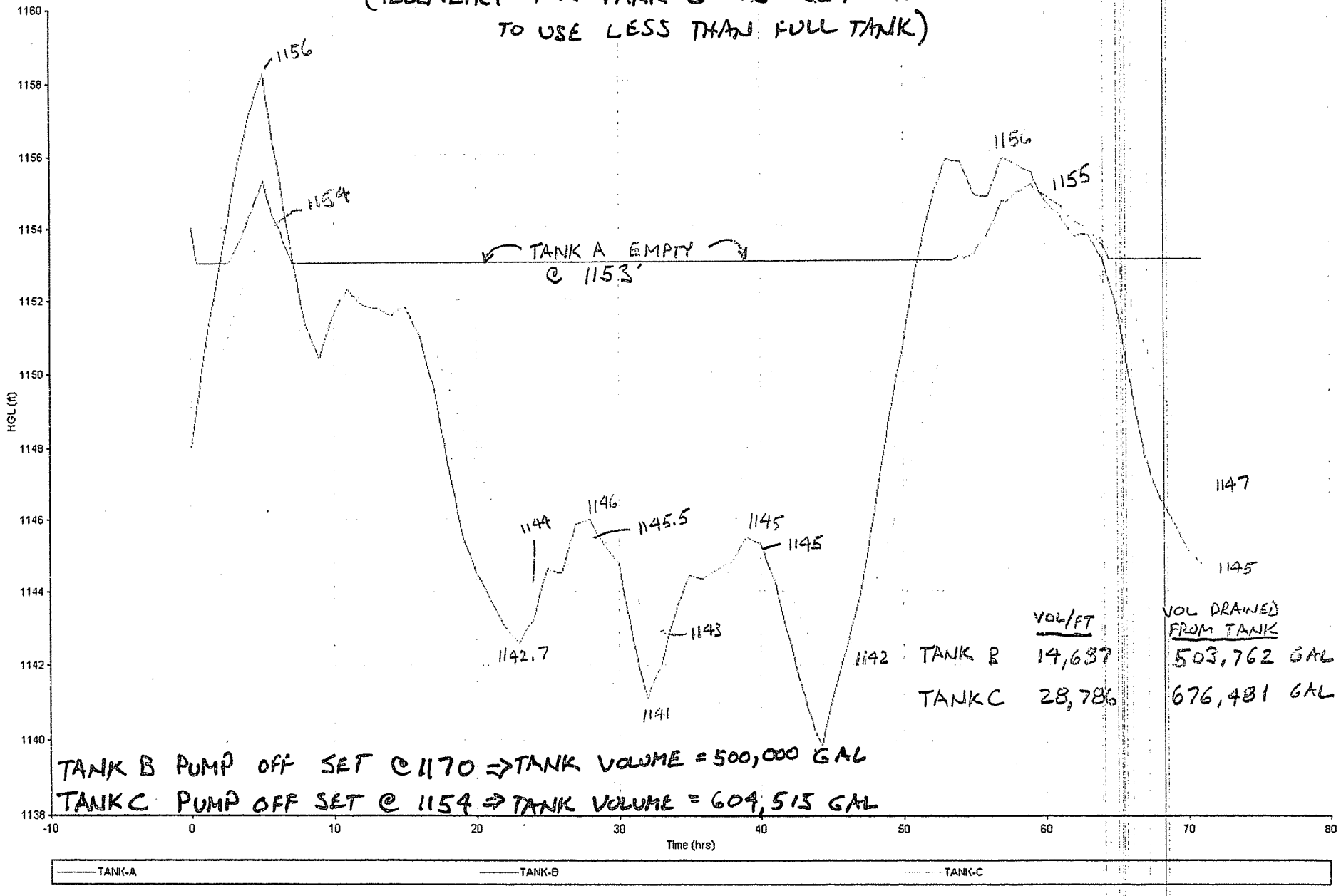
Flow Rate Low = 0 GPM

	Runtimes (hours)									Flow		Flow Rate
Date	#1	#2	#3	#4	#5	#6	#7	#8	Total	Low	High	Average
Flow Rate High =		39 GPM										
Flow Rate Average =		14.97 GPM										

CHART USED TO TERMINE OPERATING CONDITIONS
TAKEN FROM JSEWD TELEMETRY



HYDRAULIC GRADES
ELEVATED STORAGE TANKS A, B & C
72 - HOUR EPS
(TELEMETRY FOR TANK C IS SET TO USE LESS THAN FULL TANK)



	VOL/FT	VOL DRAINED FROM TANK
TANK B	14,687	503,762 GAL
TANK C	28,786	676,481 GAL

TANK B PUMP OFF SET @ 1170 ⇒ TANK VOLUME = 500,000 GAL

TANK C PUMP OFF SET @ 1154 ⇒ TANK VOLUME = 604,515 GAL

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* * * * * * * * * *  K Y P I P E 5  * * * * * * * * * *
*                                                       *
*             Pipe Network Modeling Software            *
*                                                       *
*               Copyrighted by KYPIPE LLC               *
*               Version 5 - February 2010               *
*                                                       *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
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Date & Time: Thu Feb 17 11:39:31 2011

Master File : q:\hyddata\kypipe\new tank 2010\tank analysis 2010 eps.P2K

SUMMARY OF ORIGINAL DATA

UNITS SPECIFIED

FLOWRATE ..... = gallons/minute
HEAD (HGL) ..... = feet
PRESSURE ..... = psig
METERED FLOW ..... = gallons
POWER COST ..... = 0.050 $/kW-Hr

REGULATING VALVE DATA

VALVE LABEL	VALVE TYPE	VALVE SETTING (ft or gpm)
RV-1	PRV-1	1089.85
RV-2	PRV-1	1090.08
RV-R1	PRV-1	1090.08
RV-R2	PRV-1	1090.00

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE NAME	NODE NAMES #1	#2	LENGTH (ft)	DIAMETER (in)	ROUGHNESS COEFF.	MINOR LOSS COEFF.
1	52	239	2847.56	12.00	150.0000	4.70
2	13	107	1572.75	8.00	150.0000	4.70
3	208	107	536.71	12.00	150.0000	14.10
4	208	O-Pump-1	145.95	12.00	150.0000	0.00
5	6	7	2450.00	6.00	150.0000	0.00
6	98	8	565.00	6.00	150.0000	0.00
7	101	10	1690.00	6.00	150.0000	0.00
8	99	11	600.00	6.00	150.0000	0.00
9	3	84	400.00	6.00	150.0000	0.00
10	6	9	700.00	6.00	150.0000	0.00
11	4	7	950.00	4.00	150.0000	0.00
12	7	10	1640.00	4.00	150.0000	0.00
13	4	8	1976.79	6.00	150.0000	0.00
14	8	11	1480.00	6.00	150.0000	0.00
15	10	12	2950.00	4.00	150.0000	0.00
16	12	13	2000.00	6.00	150.0000	0.00
17	12	14	2600.00	4.00	150.0000	0.00
18	15	333	1517.68	6.00	150.0000	0.00
19	TANK-A	O-AV-1	93.52	6.00	150.0000	2.00
20	16	15	600.00	6.00	150.0000	0.00

21	172	96	560.67	6.00	150.0000	0.00
22	155	331	1152.91	4.00	150.0000	0.00
23	149	19	2227.95	10.00	150.0000	0.00
24	19	20	2900.00	3.00	150.0000	0.00
25	20	21	600.00	3.00	150.0000	0.00
26	21	22	200.00	3.00	150.0000	0.00
27	22	24	1100.00	2.00	150.0000	0.00
28	21	23	1100.00	3.00	150.0000	0.00
29	23	25	1050.00	3.00	150.0000	0.00
30	24	26	1050.00	2.00	150.0000	0.00
31	25	26	200.00	3.00	150.0000	0.00
32	23	24	200.00	3.00	150.0000	0.00
33	216	286	5346.15	10.00	150.0000	0.00
34	284	27	434.89	10.00	150.0000	0.00
35	153	29	2500.00	4.00	150.0000	0.00
36	29	195	1000.00	4.00	150.0000	0.00
37	208	O-Pump-2	140.78	12.00	150.0000	0.00
38	3	31	10.00	6.00	150.0000	2.00
39	209	I-Pump-2	142.29	12.00	150.0000	0.00
40	14	146	1740.00	6.00	150.0000	0.00
41	46	31	850.00	12.00	150.0000	2.00
42	31	47	530.00	8.00	150.0000	2.00
43	18	45	3000.00	4.00	150.0000	0.00
44	16	172	969.61	8.00	150.0000	0.00
45	35	287	2553.49	4.00	150.0000	0.00
46	34	36	1150.00	4.00	150.0000	0.00
47	49	325	2589.03	6.00	150.0000	0.00
48	46	47	900.00	8.00	150.0000	2.00
49	47	33	340.00	8.00	150.0000	0.00
50	34	37	3050.00	4.00	150.0000	0.00
51	33	38	570.00	6.00	150.0000	0.00
52	33	39	250.00	8.00	150.0000	0.00
53	38	39	1335.00	6.00	150.0000	0.00
54	39	40	740.00	8.00	150.0000	0.00
55	40	41	425.00	6.00	150.0000	0.00
56	40	42	575.00	8.00	150.0000	0.00
57	41	42	1415.00	6.00	150.0000	0.00
58	42	43	145.00	8.00	150.0000	0.00
59	91	51	1800.00	4.00	150.0000	0.00
60	66	17	9874.87	6.00	150.0000	9.00
61	91	129	500.00	6.00	150.0000	0.00
62	20	49	2000.00	4.00	150.0000	0.00
63	53	323	883.92	6.00	150.0000	0.00
64	54	55	2650.00	6.00	150.0000	0.00
65	54	56	3900.00	6.00	150.0000	0.00
66	56	57	1050.00	6.00	150.0000	0.00
67	57	58	1200.00	6.00	150.0000	0.00
68	58	327	1977.19	6.00	150.0000	0.00
69	58	60	1550.00	6.00	150.0000	0.00
70	61	60	5700.00	6.00	150.0000	0.00
71	27	49	3100.00	6.00	150.0000	0.00
72	62	61	1050.00	6.00	150.0000	0.00
73	62	32	5490.00	6.00	150.0000	0.00
74	63	133	4000.00	6.00	150.0000	0.00
75	64	63	3200.00	4.00	150.0000	0.00
76	65	277	2627.99	4.00	150.0000	0.00
77	65	82	2666.10	4.00	150.0000	0.00
78	209	I-Pump-1	97.71	12.00	150.0000	0.00
79	82	83	1610.54	4.00	150.0000	0.00
80	67	97	1030.00	4.00	150.0000	0.00
81	84	52	1600.00	6.00	150.0000	0.00
82	81	85	400.00	10.00	150.0000	0.00
83	71	80	4900.00	4.00	150.0000	0.00
84	78	244	4233.41	4.00	150.0000	0.00
85	160	181	2500.00	4.00	150.0000	0.00
86	76	77	1000.00	4.00	150.0000	0.00
87	75	77	2150.00	4.00	150.0000	0.00
88	73	75	1900.00	4.00	150.0000	0.00
89	73	74	1500.00	4.00	150.0000	0.00
90	72	235	1090.18	4.00	150.0000	0.00
91	70	72	1080.00	4.00	150.0000	0.00
92	70	76	2800.00	4.00	150.0000	0.00
93	97	117	2000.00	4.00	150.0000	0.00

94	97	70	1750.00	4.00	150.0000	0.00
95	68	116	700.00	8.00	150.0000	0.00
96	68	90	800.00	4.00	150.0000	0.00
97	135	174	719.19	8.00	150.0000	3.80
98-CV	69	128	15.00	8.00	150.0000	10.00
99	67	68	2700.00	8.00	150.0000	0.00
100	FGN-BB	69	170.00	6.00	130.0000	55.90
101	50	104	1015.00	6.00	150.0000	0.00
102	88	50	2225.00	6.00	150.0000	0.00
103	105	39	1430.00	6.00	150.0000	0.00
104	48	88	340.00	6.00	150.0000	0.00
105	106	48	785.00	6.00	150.0000	0.00
106	108	48	610.00	6.00	150.0000	0.00
107	77	71	920.00	4.00	150.0000	0.00
108	67	68	2700.00	4.00	150.0000	0.00
109	84	6	800.00	6.00	150.0000	0.00
110	85	140	800.00	10.00	150.0000	0.00
111	85	139	750.00	8.00	150.0000	0.00
112	92	46	1200.00	12.00	150.0000	0.00
113	92	81	20.00	10.00	150.0000	0.00
114	87	260	828.36	8.00	150.0000	2.00
115	194	30	2608.44	6.00	150.0000	1.50
116	29	51	1900.00	4.00	150.0000	0.00
117	332	17	4108.85	6.00	150.0000	0.00
118	123	332	1116.82	6.00	150.0000	0.00
119	123	242	2356.79	6.00	150.0000	0.00
120	124	167	3100.00	4.00	130.0000	0.00
121	TANK-B	89	70.00	12.00	150.0000	2.70
122	122	253	1961.05	10.00	150.0000	2.50
123	192	207	2016.21	8.00	150.0000	1.50
124	90	185	1200.00	4.00	130.0000	0.00
125	87	43	2500.00	8.00	150.0000	0.00
126	124	37	4200.00	6.00	150.0000	0.00
127	94	71	750.00	6.00	150.0000	0.00
128	94	95	450.00	6.00	150.0000	0.00
129	I-AV-1	15	36.48	6.00	150.0000	0.00
130	94	119	3120.00	6.00	150.0000	0.00
131	86	95	2250.00	6.00	150.0000	0.00
132	95	76	440.00	6.00	150.0000	0.00
133-CV	209	208	279.75	12.00	150.0000	0.00
134	128	260	3534.86	4.00	120.0000	7.60
135	7	98	580.00	6.00	150.0000	0.00
136	98	99	1775.00	6.00	150.0000	0.00
137	11	100	475.00	6.00	150.0000	0.00
138	99	10	1170.00	6.00	150.0000	0.00
139	101	9	1000.00	6.00	150.0000	0.00
140	101	102	1100.00	6.00	150.0000	0.00
141	9	102	675.00	6.00	150.0000	0.00
142	9	103	350.00	6.00	150.0000	0.00
143	43	104	625.00	6.00	150.0000	0.00
144	104	105	860.00	6.00	150.0000	0.00
145	105	88	890.00	6.00	150.0000	0.00
146	106	47	425.00	6.00	150.0000	0.00
147	106	210	675.00	6.00	150.0000	0.00
148	210	108	715.00	12.00	150.0000	0.00
149	108	4	1300.00	12.00	150.0000	0.00
150	66	328	718.22	6.00	150.0000	2.00
151	109	110	750.00	6.00	150.0000	0.00
152	110	320	409.19	6.00	150.0000	0.00
153	111	112	700.00	6.00	150.0000	0.00
154	66	112	350.00	6.00	150.0000	0.00
155	112	113	750.00	6.00	150.0000	0.00
156	112	319	258.07	6.00	150.0000	0.00
157	234	330	220.67	8.00	150.0000	0.00
158	127	126	344.98	10.00	150.0000	0.00
159	140	52	800.00	10.00	150.0000	0.00
160	4	5	1450.00	12.00	150.0000	0.00
161	R-1	209	144.11	12.00	150.0000	0.00
162	137	294	3098.33	10.00	150.0000	1.50
163	18	149	2072.05	6.00	150.0000	1.50
164	19	284	1765.11	10.00	150.0000	1.50
165	140	139	750.00	8.00	150.0000	0.00
166	141	53	6324.12	6.00	150.0000	0.00

167	126	155	13.71	10.00	130.0000	0.00
168	200	137	14.55	10.00	130.0000	0.00
169	5	1	4201.48	12.00	150.0000	4.70
170	141	142	2112.00	6.00	150.0000	3.50
171	78	161	1835.31	6.00	150.0000	0.00
172	161	173	4000.00	6.00	150.0000	0.00
173	181	78	1949.34	6.00	150.0000	0.00
174	174	222	278.20	8.00	150.0000	0.00
175	164	118	2200.00	6.00	150.0000	0.00
176	118	117	700.00	6.00	150.0000	0.00
177	118	86	820.00	6.00	150.0000	0.00
178	119	86	3940.00	6.00	150.0000	0.00
179	92	175	1829.44	6.00	150.0000	7.60
180	176	183	575.00	8.00	150.0000	0.00
181	175	176	600.00	6.00	150.0000	0.00
182	175	177	600.00	6.00	150.0000	0.00
183	183	184	700.00	8.00	150.0000	0.00
184	196	62	3200.87	6.00	150.0000	0.00
185	16	122	2150.00	6.00	150.0000	0.00
186	128	121	495.00	4.00	150.0000	1.00
187	177	183	600.00	6.00	150.0000	0.00
188	16	122	2010.00	8.00	150.0000	2.10
189	184	174	500.00	8.00	150.0000	0.00
190	177	184	1000.00	6.00	150.0000	0.00
191	185	165	800.00	12.00	140.0000	0.00
192	125	326	936.84	10.00	150.0000	4.00
193	314	165	937.25	8.00	150.0000	0.00
194	68	90	800.00	8.00	150.0000	2.10
195	165	119	6100.00	6.00	150.0000	0.00
196	171	312	928.59	6.00	130.0000	0.00
197	170	171	2103.85	6.00	150.0000	0.00
198	180	186	1059.61	6.00	150.0000	0.00
199	186	187	2132.93	6.00	150.0000	0.00
200	187	I-RV-1	488.30	6.00	150.0000	0.00
201	145	188	1403.45	6.00	150.0000	2.30
202	4	189	688.30	6.00	150.0000	0.00
203	88	191	1166.85	6.00	150.0000	0.00
204	189	191	505.01	6.00	150.0000	0.00
205	191	197	961.25	6.00	150.0000	0.00
206	197	50	886.74	6.00	150.0000	0.00
207	197	198	1090.54	6.00	150.0000	0.00
208	197	199	499.88	6.00	150.0000	0.00
209	199	202	1104.61	6.00	150.0000	0.00
210	199	158	800.00	6.00	150.0000	0.00
211	115	127	901.39	4.00	150.0000	0.00
212-XX	69	128	15.00	2.00	150.0000	5.00
213	203	317	388.34	6.00	150.0000	0.00
214	134	141	1200.00	6.00	150.0000	2.00
215	30	134	2200.00	6.00	150.0000	2.00
216	129	93	450.00	6.00	150.0000	2.00
217	129	130	2300.00	6.00	150.0000	2.00
218	130	131	1700.00	6.00	150.0000	2.00
219	56	132	900.00	6.00	150.0000	1.00
220	133	61	1400.00	6.00	150.0000	2.00
221	128	138	600.00	8.00	150.0000	4.00
222	92	176	2200.00	8.00	150.0000	8.64
223	138	135	30.00	6.00	150.0000	9.60
224	204	203	1359.37	4.00	150.0000	0.00
225	204	310	1527.15	6.00	150.0000	0.00
226	205	206	1145.98	6.00	150.0000	0.00
227	205	203	2111.36	6.00	150.0000	0.00
228	207	219	1698.51	8.00	150.0000	0.00
229	207	250	701.01	6.00	150.0000	0.00
230	211	212	2005.89	6.00	150.0000	0.00
231	212	1	1472.83	6.00	150.0000	0.00
232	151	213	2317.84	6.00	150.0000	0.00
233	82	214	981.14	6.00	150.0000	0.00
234	214	215	1714.24	6.00	150.0000	0.00
235	215	151	1044.08	6.00	150.0000	0.00
236	214	215	1773.79	6.00	150.0000	0.00
237	285	28	1124.37	10.00	150.0000	0.00
238	216	218	995.43	6.00	150.0000	3.00
239	217	231	648.98	6.00	150.0000	0.00

240	218	228	806.86	6.00	150.0000	0.00
241	127	143	1465.00	4.00	150.0000	4.90
242	29	144	200.00	2.00	150.0000	2.90
243	14	145	200.00	4.00	150.0000	2.30
244	146	44	480.00	6.00	150.0000	2.30
245	146	147	800.00	6.00	150.0000	2.30
246	44	148	820.00	6.00	150.0000	2.30
247	83	282	2200.31	6.00	150.0000	4.60
248	83	150	2187.98	6.00	150.0000	4.00
249	150	151	2280.06	6.00	150.0000	2.20
250	153	152	1050.00	4.00	150.0000	2.00
251	28	153	300.00	4.00	150.0000	1.10
252	72	154	1480.00	4.00	150.0000	2.90
253	288	216	793.52	10.00	150.0000	0.00
254	156	66	650.00	6.00	150.0000	2.00
255	64	157	4155.70	4.00	150.0000	1.50
256	5	158	1400.00	4.00	130.0000	1.50
257	75	159	720.00	4.00	130.0000	1.50
258	219	314	3028.03	8.00	150.0000	0.00
259	165	220	1798.80	6.00	150.0000	0.00
260	220	221	1235.98	6.00	150.0000	0.00
261	220	221	1238.62	6.00	150.0000	0.00
262	220	251	1376.27	6.00	150.0000	0.00
263	77	160	1400.00	4.00	130.0000	2.00
264	222	87	1222.60	8.00	150.0000	0.00
265	184	223	258.83	6.00	150.0000	0.00
266	223	222	394.05	6.00	150.0000	0.00
267	176	224	321.17	6.00	150.0000	0.00
268	90	162	1000.00	6.00	130.0000	4.00
269	136	162	930.00	6.00	130.0000	2.50
270	163	162	1125.00	6.00	130.0000	3.50
271	136	163	360.00	6.00	130.0000	0.50
272	163	164	282.00	6.00	130.0000	0.80
273	136	164	1020.00	6.00	130.0000	3.10
274	116	136	350.00	6.00	130.0000	0.50
275	223	224	1360.35	6.00	150.0000	0.00
276	285	284	239.29	10.00	150.0000	0.00
277	227	225	749.09	6.00	150.0000	0.00
278	226	64	1294.34	4.00	150.0000	0.00
279	90	185	1200.00	8.00	140.0000	2.90
280	226	225	4000.00	6.00	150.0000	0.00
281	96	167	2988.15	4.00	150.0000	0.00
282	115	127	900.00	10.00	130.0000	0.90
283	166	124	1200.00	4.00	130.0000	1.50
284	167	34	3200.00	4.00	130.0000	1.50
285	168	169	1400.00	4.00	130.0000	1.50
286	65	168	1200.00	4.00	130.0000	1.50
287	227	283	1296.85	6.00	150.0000	0.00
288	170	171	506.08	6.00	130.0000	1.50
289	127	329	2936.44	4.00	130.0000	1.50
290	80	179	2650.00	6.00	150.0000	1.50
291	179	180	1495.10	6.00	150.0000	3.00
292	181	78	2300.00	4.00	150.0000	1.50
293	181	182	1700.00	6.00	150.0000	1.50
294	31	210	810.63	12.00	150.0000	0.00
295	1	334	2484.13	12.00	150.0000	0.00
296	333	2	864.41	6.00	150.0000	4.70
297	225	229	2054.14	6.00	150.0000	0.00
298	218	228	2562.32	6.00	150.0000	6.00
299	228	217	722.51	6.00	150.0000	0.00
300	218	292	815.37	6.00	150.0000	0.00
301	170	178	1000.00	6.00	130.0000	1.50
302	201	267	683.60	6.00	130.0000	1.50
303	O-RV-R1	201	10.00	4.00	130.0000	0.75
304	O-RV-R2	200	10.00	6.00	130.0000	0.75
305	217	231	1599.56	6.00	150.0000	0.00
306	231	265	575.39	6.00	150.0000	0.00
307	196	230	1600.00	6.00	150.0000	9.00
308	120	49	1600.00	6.00	150.0000	0.00
309	230	120	2650.00	6.00	150.0000	0.00
310	230	120	2700.00	6.00	150.0000	0.00
311	55	232	1676.90	6.00	150.0000	0.00
312	232	321	2872.09	6.00	150.0000	0.00

313	123	234	926.33	6.00	130.0000	0.00
314	235	73	2079.82	4.00	150.0000	0.00
315	235	236	1753.11	6.00	150.0000	0.00
316	97	237	1988.28	6.00	150.0000	0.00
317	145	238	3439.89	6.00	130.0000	1.50
318	12	14	1423.01	6.00	150.0000	0.00
319	190	16	1800.00	8.00	130.0000	0.00
320	89	192	2100.00	8.00	130.0000	1.50
321	193	276	802.92	6.00	130.0000	3.00
322	286	285	1449.66	10.00	150.0000	0.00
323	194	51	625.00	6.00	130.0000	1.50
324	194	93	3500.00	6.00	150.0000	1.50
325	195	196	1842.36	6.00	150.0000	3.00
326	195	30	1500.00	6.00	130.0000	0.00
327	14	145	626.29	6.00	150.0000	2.30
328	239	107	2786.36	12.00	150.0000	0.00
329	239	240	785.30	6.00	150.0000	9.40
330	240	102	804.73	6.00	150.0000	0.00
331	242	245	620.65	6.00	150.0000	0.00
332	242	243	1354.14	6.00	150.0000	0.00
333	243	124	687.53	6.00	150.0000	0.00
334	O-RV-1	193	2532.31	6.00	150.0000	0.00
335	I-RV-2	125	4437.75	6.00	150.0000	0.00
336-XX	331	115	151.49	6.00	150.0000	0.00
337-XX	333	190	178.62	6.00	150.0000	0.00
339	244	79	918.36	4.00	150.0000	0.00
340	248	238	1271.24	6.00	150.0000	0.00
341	291	167	1686.06	12.00	150.0000	4.00
342	250	211	1623.75	6.00	150.0000	0.00
343	251	219	323.73	6.00	150.0000	0.00
344	251	250	1790.74	6.00	150.0000	0.00
345	192	252	1510.04	6.00	132.7796	0.00
346	190	252	2222.23	6.00	132.7796	0.00
347	252	250	1786.66	6.00	132.7796	0.00
348	253	89	1088.95	10.00	150.0000	0.00
349	253	192	2494.92	6.00	150.0000	2.50
350	198	254	1058.03	6.00	150.0000	0.00
351	254	255	715.41	6.00	150.0000	0.00
352	256	261	1475.59	10.00	150.0000	0.00
353	256	255	268.72	6.00	150.0000	2.00
354	254	257	576.56	6.00	150.0000	0.00
355	257	258	1064.79	6.00	132.7796	0.00
356	258	259	1563.02	6.00	132.7796	0.00
357	259	257	1126.59	6.00	132.7796	0.00
358	260	256	1103.07	10.00	150.0000	0.00
359	259	260	190.36	6.00	150.0000	2.00
360	261	67	2279.79	8.00	150.0000	0.00
361	262	228	739.01	6.00	150.0000	0.00
362	262	263	623.26	6.00	150.0000	0.00
363	263	264	480.37	6.00	150.0000	0.00
364	265	O-RV-2	313.69	6.00	150.0000	0.00
365	263	265	981.23	6.00	150.0000	0.00
366	222	300	498.50	6.00	150.0000	11.40
367	296	266	844.74	6.00	150.0000	0.00
368	267	168	1316.40	6.00	130.0000	0.00
369	267	272	1359.71	6.00	130.0000	7.50
370	268	289	1061.73	6.00	130.0000	0.00
371	269	268	1008.26	6.00	130.0000	0.00
372	269	271	1704.77	6.00	130.0000	3.00
373	271	270	684.10	6.00	130.0000	0.00
374	270	269	1704.42	6.00	130.0000	0.00
375	272	271	792.79	6.00	130.0000	0.00
376	236	74	2481.05	6.00	150.0000	0.00
377	256	274	978.51	6.00	150.0000	7.60
378	273	237	852.00	6.00	150.0000	0.00
379	274	273	1538.58	6.00	150.0000	0.00
380	274	275	450.54	6.00	150.0000	7.60
381	276	268	985.15	6.00	130.0000	0.00
382	277	204	1628.35	4.00	150.0000	0.00
383	277	278	1235.76	6.00	150.0000	0.00
384	278	279	1205.45	6.00	150.0000	0.00
385	278	280	1478.76	6.00	150.0000	0.00
386	289	65	2150.20	6.00	130.0000	0.00

387	281	280	1596.72	6.00	150.0000	0.00
388	282	32	4362.15	6.00	130.0000	0.00
389	283	229	723.00	6.00	150.0000	0.00
390	282	283	1039.85	6.00	130.0000	1.50
391	287	286	489.52	6.00	150.0000	0.00
392	18	288	2203.94	6.00	150.0000	0.00
393	310	205	1040.49	6.00	150.0000	0.00
394	279	310	1346.09	6.00	150.0000	0.00
395	200	288	3927.83	4.00	150.0000	13.50
396	122	332	3782.65	6.00	150.0000	0.00
397	331	17	1651.95	6.00	150.0000	0.00
398	330	172	3865.69	8.00	150.0000	0.00
399	321	233	1289.26	6.00	150.0000	0.00
400	290	339	3581.07	6.00	150.0000	0.00
401	290	291	1310.32	6.00	134.7357	0.00
402	15	338	880.59	12.00	150.0000	0.00
403	292	262	753.68	6.00	150.0000	0.00
404	292	293	949.20	6.00	150.0000	0.00
405	294	288	718.86	10.00	150.0000	0.00
406	293	294	727.50	6.00	150.0000	1.50
407	293	295	514.70	6.00	150.0000	3.00
408	295	297	1965.71	6.00	150.0000	1.50
409	295	264	1212.65	6.00	150.0000	1.50
410	264	297	1133.74	6.00	150.0000	1.50
411	296	298	1188.85	6.00	150.0000	3.80
412	299	296	485.88	6.00	150.0000	0.00
413	273	301	2033.09	6.00	150.0000	22.80
414	266	299	1322.21	6.00	150.0000	0.00
415	266	301	2517.78	6.00	150.0000	0.00
416	301	298	406.56	6.00	150.0000	0.00
417	300	299	1896.99	6.00	150.0000	0.00
418	13	302	379.61	6.00	150.0000	0.00
419	302	303	544.15	6.00	150.0000	0.00
420	302	306	1025.43	6.00	150.0000	0.00
421	304	102	663.55	6.00	150.0000	0.00
422	304	240	258.38	6.00	150.0000	0.00
423	303	309	375.31	6.00	150.0000	0.00
424	303	308	760.28	6.00	150.0000	0.00
425	306	305	590.36	6.00	150.0000	0.00
426	305	304	1426.99	6.00	150.0000	0.00
427	307	304	660.11	6.00	150.0000	0.00
428	305	307	1018.44	6.00	150.0000	0.00
429	308	306	531.76	6.00	150.0000	0.00
430	309	307	1056.64	6.00	150.0000	0.00
431	255	311	888.13	6.00	150.0000	4.00
432	261	67	1971.29	4.00	120.0000	0.00
433	311	261	439.17	6.00	150.0000	0.00
434	312	109	365.33	6.00	130.0000	0.00
435	312	313	497.67	6.00	130.0000	0.00
436	186	315	4737.70	6.00	140.0000	0.00
437	114	315	568.21	6.00	140.0000	0.00
438	315	316	1850.47	6.00	140.0000	0.00
439	316	156	239.08	6.00	140.0000	0.00
440	316	314	5395.46	6.00	140.0000	0.00
441	317	226	905.99	6.00	150.0000	0.00
442	317	318	2336.81	6.00	150.0000	0.00
443	318	206	1716.75	6.00	150.0000	0.00
444	313	110	1422.51	6.00	150.0000	0.00
445	113	156	330.31	6.00	150.0000	0.00
446	319	114	201.93	6.00	150.0000	0.00
447	319	59	481.31	6.00	150.0000	0.00
448	111	59	248.52	6.00	150.0000	0.00
449	330	115	6864.89	8.00	150.0000	0.00
450	233	321	1289.26	6.00	150.0000	0.00
451	321	322	4343.86	6.00	150.0000	0.00
452	323	54	3016.08	6.00	150.0000	0.00
453	322	323	5147.69	6.00	150.0000	0.00
454	322	324	1505.02	6.00	150.0000	0.00
455	142	30	4608.91	6.00	150.0000	0.00
456	325	32	1760.97	6.00	150.0000	0.00
457	325	25	2653.81	6.00	150.0000	0.00
458	326	115	2813.16	10.00	150.0000	0.00
459	326	241	5529.53	6.00	150.0000	16.00

460	327	132	897.92	6.00	150.0000	0.00
461	320	111	190.81	6.00	150.0000	0.00
462	328	109	176.74	6.00	150.0000	0.00
463	328	320	384.90	6.00	150.0000	2.00
464	110	313	348.77	6.00	150.0000	0.00
465	332	122	3795.23	8.00	150.0000	0.00
466	334	190	1378.67	12.00	150.0000	0.00
467	333	338	715.33	6.00	134.7357	0.00
468	2	334	154.83	12.00	150.0000	0.00
469	291	339	3422.44	12.00	150.0000	0.00
470	291	TANK-C	50.00	12.00	150.0000	4.00
472	245	241	735.48	6.00	150.0000	0.00
473	338	339	334.85	12.00	150.0000	0.00
474-XX	245	166	180.91	6.00	150.0000	12.00

P U M P/L O S S E L E M E N T D A T A

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE FOLLOWING DATA: (ID= 1)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)
96.00	0.00	0.00
90.00	500.00	75.00
74.00	800.00	81.00
59.00	1000.00	75.00

THERE IS A DEVICE AT NODE Pump-2 .....> (ID= 1)

N O D E D A T A

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	JUNCTION ELEVATION (ft)	EXTERNAL GRADE (ft)
1	Aldridge Far	0.67	985.00	
2		0.00	980.00	
3		0.00	977.00	
4	US-68 & Bran	0.21	997.00	
5	US-68 @ Oris	2.08	1000.00	
6	Lntrn&oldcoc	4.95	970.00	
7		7.57	1000.00	
8	Lantern Ct	2.65	1020.00	
9		0.50	970.00	
10		1.42	1000.00	
11		3.26	1020.00	
12		1.72	955.00	
13		1.31	927.00	
14		1.72	968.00	
15		1.18	1032.00	
16		1.63	1028.00	
17		10.79	979.00	
18	US68 & Barkl	4.47	955.00	
19	US68 & KY29	1.43	949.00	
20		0.28	870.00	
21		0.40	887.00	
22		0.40	887.00	
23		0.40	877.00	
24		0.40	877.00	
25	Murphy Ln EO	0.40	870.00	
26		0.40	870.00	
27	US68 & CC rd	2.01	936.00	
28		0.00	927.00	
29		0.60	900.00	
30		5.03	898.00	
31		0.00	977.00	
32	Clear&Richar	4.69	875.00	
33		0.07	996.00	

34		1.85	995.00
35		0.24	900.00
36	Catnip Hill	0.23	990.00
37	end o Sagart	2.21	990.00
38		0.21	984.00
39		1.38	985.00
40		0.34	992.00
41		0.44	986.00
42		1.02	988.00
43		0.96	996.00
44		0.42	970.00
45	BARKLEY EST	3.44	910.00
46		0.93	968.00
47		0.56	991.00
48		4.04	975.00
49		3.69	920.00
50	End of Fores	4.81	986.00
51	Roseglade Fa	1.34	935.00
52	End of Wynfr	2.68	940.00
53		3.35	798.00
54	Pekin & Trot	4.02	914.00
55		1.34	885.00
56		1.68	830.00
57		1.00	830.00
58		1.00	825.00
59	Keene	0.56	920.00
60		0.67	800.00
61		1.34	896.00
62		1.68	865.00
63		0.67	895.00
64	KY 1267 & Mc	4.02	889.00
65	Clear&KenTro	3.42	873.00
66	Keene 4 way	4.31	905.00
67		0.54	992.00
68		4.14	955.00
69		1.94	955.00
70		2.03	940.00
71		0.00	935.00
72		2.04	950.00
73		3.49	930.00
74		0.94	940.00
75		3.83	940.00
76		0.64	980.00
77	DF & Woods R	6.02	970.00
78	James Ln & D	5.67	928.00
79	James Lane E	3.41	915.00
80		3.68	947.00
81	us68 @ wynfr	0.00	965.00
82	CC Rd @ Chan	2.09	922.00
83	CC Rd @ CCE	2.21	913.00
84	Oldcoh&wdbri	2.35	950.00
85	wynfre&acess	1.34	970.00
86		5.63	935.00
87		0.64	990.00
88	Spgcrst&Thou	3.76	995.00
89		0.00	1005.00
90		0.87	970.00
91		0.91	950.00
92	Bellerive ti	1.00	965.00
93	EOL KY 29	0.91	952.00
94		5.36	963.00
95		2.69	990.00
96		0.00	1033.00
97		4.68	958.00
98		0.65	1010.00
99		3.26	1010.00
100		0.80	1020.00
101		4.50	990.00
102		2.18	975.00
103		0.96	965.00
104		2.67	1003.00
105		3.49	1016.00
106		3.76	990.00

107		0.00	950.00
108		1.13	972.00
109	1267 @ Kings	1.68	895.00
110	Kingston	0.74	905.00
111	Keenesway	0.70	922.00
112	King @ Cemet	1.73	931.00
113	Kingston	1.35	935.00
114	Cemetery	0.29	948.00
115		0.26	950.00
116		0.00	961.00
117		0.60	950.00
118		0.47	950.00
119	Champions	7.47	950.00
120	Walden	1.17	900.00
121		0.67	950.00
122		0.67	980.00
123	Mattews Ln	0.67	950.00
124	Rhinehammer	0.00	1000.00
125	KY 169	0.84	940.00
126	10"PRV upstr	0.00	970.00
127		1.81	950.00
128		0.07	955.00
129		0.80	935.00
130		0.00	890.00
131	Drakes Ln EO	0.80	935.00
132	Tankersly	1.34	830.00
133		0.00	810.00
134		3.02	885.00
135		0.00	975.00
136		1.34	955.00
137	10"PRV dnstr	0.00	970.00
138		0.00	970.00
139	BELLARIVE PL	1.34	970.00
140		1.34	965.00
141	ICHTHUS & 68	0.67	850.00
142	ICHTHUS	1.68	885.00
143		1.34	958.00
144		4.36	885.00
145	Bran @ Chris	0.92	960.00
146		1.34	935.00
147		1.34	940.00
148		0.67	950.00
149	US 68	0.00	940.00
150	CCE unit 1	2.21	925.00
151	CCE unit2	2.61	901.00
152		2.68	927.00
153		0.00	927.00
154		1.00	950.00
155	PRV2	0.00	970.00
156	1267 @ Canad	1.34	898.00
157	KY1267 EOL	1.34	840.00
158	End of Ponde	3.95	1000.00
159	End of Tashm	3.11	940.00
160		6.70	941.00
161	Hawks Pt & D	3.05	905.00
162		2.68	975.00
163		0.67	960.00
164		0.67	958.00
165	12" Cambrige	3.99	972.00
166	Rhinehammer	2.68	990.00
167		0.34	995.00
168		0.00	880.00
169		3.35	880.00
170	KT @ Liberty	2.01	890.00
171	KT @ Liberty	2.01	890.00
172	catnip @ 68	0.00	1020.00
173	Stirling Est	3.05	850.00
174	S. Elk Rd @	1.34	985.00
175	Wind Haven &	1.17	945.00
176	Windward Way	2.01	970.00
177	Windy Knoll	2.01	950.00
178	PRV1	0.00	875.00
179	Woods Rd Est	2.08	891.00

180	Longnecker F	0.34	920.00
181	Parker & Del	2.35	895.00
182	End of Parke	2.58	915.00
183	Windy Knoll	1.34	975.00
184	Wind Haven D	2.01	960.00
185	12"-8" Cambr	0.00	963.00
186	Woods Rd @ l	1.34	925.00
187	Clear Ck @ l	0.20	925.00
188	Pannel Ext.	0.34	955.00
189	W.Brannon @	2.41	1005.00
190	US68 & Harod	0.00	998.00
191	W.Brannon @	1.81	985.00
192	Steel Estate	2.20	1028.00
193	EOL Clear Ck	1.00	850.00
194	Bicknell Ln	0.00	920.00
195	McCauly & US	0.50	898.00
196	McCauley rd	0.70	910.00
197	W.Brannon @	2.81	1003.00
198	W.Brannon @	1.81	975.00
199	Foaling Rg	2.01	985.00
200	dwnstrm PRV	0.00	970.00
201	dwnstrm PRV	0.00	875.00
202		1.61	980.00
203	KTroy @ Colo	2.61	870.00
204		2.81	850.00
205	Colonial Est	4.82	850.00
206	Colonial Est	3.02	840.00
207	Widows Watch	0.00	980.00
208		0.00	990.00
209		0.00	990.00
210		0.23	960.00
211	Keene Manor	4.02	1010.00
212	Keene Manor	5.03	960.00
213	CCE unit 2	1.00	860.00
214	Chandamere	3.02	919.00
215	Chandamere	3.02	910.00
216	US 68 @ Bark	0.00	935.00
217	Bark Woods	2.58	960.00
218	Sgate@Deerfi	4.22	920.00
219	Perkins	0.00	980.00
220	Cambridge Ea	2.95	970.00
221	Cambridge Ea	2.68	976.00
222	Windhaven@KY	0.60	985.00
223	Wind Hav @ W	2.01	975.00
224	Windward@Woo	2.61	980.00
225	Hollaway	3.02	920.00
226	KY1267 from	0.00	885.00
227	Hollaway Est	1.41	890.00
228	Stonegate@St	3.65	921.00
229	Hollaway Est	2.01	870.00
230	Walden	1.88	875.00
231	tugger cul d	1.88	905.00
232	Hagin @ Peki	0.47	871.00
233	Hagin EOL	1.17	940.00
234		0.67	950.00
235	Del Woods	0.67	945.00
236	Lot 20 DW	0.00	935.00
237	Emerald Est	2.58	965.00
238	Chris Haven	0.92	1030.00
239	Morgan @ Bel	2.41	960.00
240	Morgan Dr	1.00	975.00
241	FH on Ramsey	0.00	980.00
242		0.00	930.00
243		0.00	980.00
244		0.00	950.00
245		0.00	930.00
248	EOL Chris Ha	0.00	1002.00
250		4.47	1000.00
251		2.61	980.00
252	Harrods Ridg	3.13	1020.00
253		1.25	1020.00
254		1.25	989.00
255	W. Brannon L	0.94	984.00

256	KY1267	0.00	980.00
257	Eq Lakes	1.57	980.00
258		2.20	1003.00
259		1.37	970.00
260		0.00	970.00
261		0.00	935.00
262	BW	1.07	935.00
263	BW unit 7	1.07	930.00
264	BW unit 7	1.07	935.00
265	BW unit 7	0.44	895.00
266	Cambrig Nort	1.95	950.00
267	Cave Run @ K	0.00	855.00
268	Clear Cr Tie	0.00	825.00
269	Cave Run Cr	1.25	855.00
270	Cave Run Cr	0.94	900.00
271	Cave Run Cr	1.25	880.00
272	Cave Run Blv	1.72	855.00
273	Renaisce	1.80	940.00
274	Renasnce	1.05	946.00
275	Renasance	0.60	953.00
276		0.00	820.00
277	K-T @ The Oa	0.00	863.00
278	The Oaks	1.28	835.00
279	The Oaks	1.56	820.00
280	The Oaks	1.71	830.00
281	The Oaks	1.56	830.00
282	Clear C @ Ho	1.00	920.00
283	Holloway	0.00	880.00
284		0.00	940.00
285		0.00	940.00
286	US 68 @ KY 2	0.00	950.00
287	KY 29	0.00	960.00
288		2.81	925.00
289		0.00	875.00
290	Forest Hills	4.89	1020.00
291	Forest Hills	1.88	1016.00
292	BW	0.00	915.00
293	BW7	0.54	940.00
294	BW7 @ US68	0.00	900.00
295	BW7	0.96	953.00
296	Cambrig Nort	1.05	950.00
297	BW7	1.07	905.00
298	Cambrig Nort	1.50	990.00
299	Cambrig Nort	2.71	955.00
300	Cambrig Nort	0.00	1007.00
301	Cambrig Nort	0.00	986.00
302	Clays xing	2.81	950.00
303	Clays xing	2.81	950.00
304	Clays xing	3.10	975.00
305	Clays xing	4.22	976.00
306	Clays xing	2.81	980.00
307	Clays xing	4.78	950.00
308	Clays xing	2.81	975.00
309	Clays xing	4.22	950.00
310		0.00	840.00
311	The Lakes II	1.57	960.00
312	1267 @ Cush	0.28	895.00
313	Cushingberry	0.56	910.00
314		0.00	950.00
315	Cemetery@169	0.42	923.00
316	Keene 1267 @	0.00	911.00
317	1267@Ebeneze	0.00	857.00
318	Ebenezer Chu	0.28	810.00
319	Keene	1.27	930.00
320	Kingston @ K	0.28	915.00
321	Hagin Ln Pek	0.28	920.00
322	Pekin Ln	0.56	745.00
323	KY 33 Pekin	0.28	810.00
324	Pekin Ln EOL	0.84	850.00
325	Clear Creek	0.00	920.00
326	KY 169 Rhine	0.84	930.00
327		0.28	870.00
328	1267 in Keen	0.28	895.00

329		0.28	970.00	
330		0.00	950.00	
331		0.00	958.00	
332		0.00	985.00	
333		0.00	998.00	
334		0.00	980.00	
338		0.00	1000.00	
339		0.00	1000.00	
O-AV-1	Altitude Val	0.00	1032.00	
FGN-BB		----	955.00	1139.00
I-Pump-1	perless 1240	0.00	990.00	
I-Pump-2	perless 1240	0.00	990.00	
R-1	KAWC Tank	----	985.00	1150.00
I-RV-1		0.00	920.00	
I-RV-2	Barkley W. P	0.00	890.00	
I-RV-R1	Keene PRV	0.00	875.00	
I-RV-R2	US 68 PRV	0.00	970.00	
TANK-A	Old Tank	----	1026.00	1154.00
TANK-B	New Tank - P	----	1015.00	1148.00
TANK-C	Chinkapin Ta	----	1025.00	1148.00
O-Pump-1	perless 1240	0.00	990.00	
O-Pump-2	perless 1240	0.00	990.00	
I-AV-1	Altitude Val	0.00	1032.00	
O-RV-R1	Keene PRV	----	875.00	1090.08
O-RV-R2	US 68 PRV	----	970.00	1090.00
O-RV-1		----	920.00	1089.85
O-RV-2	Barkley W. P	----	890.00	1090.08

O U T P U T O P T I O N D A T A

OUTPUT SELECTION: THE FOLLOWING RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

ALL CLOSED PIPES ARE NOTED
ALL PIPES WITH PUMPS

FOLLOWING PIPES
11
12
15
18
20
22
35
36
76
77
79
80
86
87
92
94
96
108
124
134
185
224
251
255
257
263
278
281
286
296
336
382
395
396
432

FOLLOWING JUNCTION NODES
36
66
79
131
157
173
182
217
233
MAXIMUM AND MINIMUM PRESSURES = 10
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 5

E P S D A T A

TOTAL TIME FOR SIMULATION = 71.000
NORMAL TIME PERIOD FOR CALCULATIONS = 0.250
NORMAL TIME PERIOD FOR TABULATED OUTPUT = 1.000
NORMAL TIME PERIOD FOR POSTPROCESSING FILE = 0.250

EPS OUTPUT SELECTION: THE ABOVE TABULATED OUTPUT OPTIONS ARE INCLUDED WITH THE FOLLOWING EXTENDED PERIOD PRINT OPTIONS

INTERMEDIATE REPORTS (tank status, flow meter, regulating valve, etc.)
SUPPRESSED FOR ALL INTERMEDIATE TIME PERIODS
SUPPRESSED FOR ALL STATUS CHANGES (tanks, pressure switches, etc.)

V A R I A B L E H E A D T A N K D A T A

TANK NAME (*)	MAXIMUM ELEVATION (ft)	MINIMUM ELEVATION (ft)	TANK CAPACITY (gal)	INITIAL VOLUME (gal)	EXTERNAL FLOW (gpm)
TANK-A(1)	1169.20	1153.00	54826.	3384.	0.00
TANK-B(1)	1171.00	1135.00	528802.	190956.	0.00
TANK-C(1)	1171.00	1133.00	1094032.	431855.	0.00

* TANK TYPE: (1) - CONSTANT DIAMETER (2) - VARIABLE AREA

P R E S S U R E S W I T C H D A T A

REFERENCE ELEMENT	REFERENCE NODE	SWITCHING GRADES (ft)		
Pump-1	89	1140.00	&	1170.00
Pump-1	291	1140.00	&	1154.00
AV-1	15	1133.00	&	1168.00

S Y S T E M C O N F I G U R A T I O N

NUMBER OF PIPES .....(p) = 472
NUMBER OF END NODES .....(j) = 338
NUMBER OF PRIMARY LOOPS .....(l) = 130
NUMBER OF SUPPLY NODES .....(f) = 5
NUMBER OF SUPPLY ZONES .....(z) = 1

P U M P/L O S S E L E M E N T D A T A

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE FOLLOWING DATA: (ID= 1)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)
96.00	0.00	0.00
90.00	500.00	75.00
74.00	800.00	81.00
59.00	1000.00	75.00

THERE IS A DEVICE AT NODE Pump-2 .....> (ID= 1)

TIME FROM INITIATION OF EPS = 0.0000 HOURS

TIME FROM INITIATION OF EPS = 0.0001 HOURS

P U M P/L O S S E L E M E N T R E S U L T S

NAME	FLOWRATE (gpm)	INLET HEAD (ft)	OUTLET HEAD (ft)	PUMP HEAD (ft)	EFFIC-ENCY (%)	USEFUL POWER (Hp)	INCREMTL COST ($)	TOTAL COST ($)	#PUMPS PARALLEL	#PUMPS SERIES	NPSH Avail. (ft)
Device Pump-1 IS OPERATING OUT OF RANGE											
Pump-1	1236.29	159.30	199.33	40.0	52.45	13.	0.0	0.0	**	**	192.3

TIME FROM INITIATION OF EPS = 0.2500 HOURS

TIME FROM INITIATION OF EPS = 0.3635 HOURS

Device Pump-1 IS OPERATING OUT OF RANGE											
Pump-1	1231.36	159.31	199.74	40.4	53.09	13.	0.1	0.3	**	**	192.3

TIME FROM INITIATION OF EPS = 0.3635 HOURS

Device Pump-1 IS OPERATING OUT OF RANGE											
Pump-1	1233.68	159.31	199.55	40.2	52.79	13.	0.0	0.3	**	**	192.3

TIME FROM INITIATION OF EPS = 0.5000 HOURS

TIME FROM INITIATION OF EPS = 0.7500 HOURS

TIME FROM INITIATION OF EPS = 1.0000 HOURS

Device Pump-1 IS OPERATING OUT OF RANGE											
Pump-1	1154.04	149.39	196.02	46.6	62.20	14.	0.2	0.9	**	**	182.4

TIME FROM INITIATION OF EPS = 1.2500 HOURS

TIME FROM INITIATION OF EPS = 1.5000 HOURS

TIME FROM INITIATION OF EPS = 1.7500 HOURS

TIME FROM INITIATION OF EPS = 2.0000 HOURS

Device Pump-1 IS OPERATING OUT OF RANGE											
Pump-1	1267.29	167.27	204.81	37.5	48.25	12.	0.2	1.7	**	**	200.3

TIME FROM INITIATION OF EPS = 2.2500 HOURS

TIME FROM INITIATION OF EPS = 2.5000 HOURS

TIME FROM INITIATION OF EPS = 2.7500 HOURS

TIME FROM INITIATION OF EPS = 3.0000 HOURS
ice Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1201.37 158.34 201.17 42.8 56.84 13. 0.2 2.6 ** **
191.4

TIME FROM INITIATION OF EPS = 3.2500 HOURS

TIME FROM INITIATION OF EPS = 3.5000 HOURS

TIME FROM INITIATION OF EPS = 3.7500 HOURS

TIME FROM INITIATION OF EPS = 4.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1154.73 151.39 197.96 46.6 62.13 14. 0.2 3.5 ** **
184.4

TIME FROM INITIATION OF EPS = 4.2500 HOURS

TIME FROM INITIATION OF EPS = 4.5000 HOURS

TIME FROM INITIATION OF EPS = 4.7500 HOURS

TIME FROM INITIATION OF EPS = 5.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1118.85 142.42 191.88 49.5 65.75 14. 0.2 4.3 ** **
175.5

TIME FROM INITIATION OF EPS = 5.0000 HOURS

TIME FROM INITIATION OF EPS = 5.2500 HOURS

TIME FROM INITIATION OF EPS = 5.5000 HOURS

TIME FROM INITIATION OF EPS = 5.7500 HOURS

TIME FROM INITIATION OF EPS = 6.0000 HOURS

TIME FROM INITIATION OF EPS = 6.2500 HOURS

TIME FROM INITIATION OF EPS = 6.5000 HOURS

TIME FROM INITIATION OF EPS = 6.7500 HOURS

TIME FROM INITIATION OF EPS = 7.0000 HOURS

TIME FROM INITIATION OF EPS = 7.0404 HOURS

TIME FROM INITIATION OF EPS = 7.0405 HOURS

TIME FROM INITIATION OF EPS = 7.2500 HOURS

TIME FROM INITIATION OF EPS = 7.5000 HOURS

TIME FROM INITIATION OF EPS = 7.7500 HOURS

TIME FROM INITIATION OF EPS = 8.0000 HOURS

TIME FROM INITIATION OF EPS = 8.2500 HOURS

TIME FROM INITIATION OF EPS = 8.5000 HOURS

TIME FROM INITIATION OF EPS = 8.7500 HOURS

TIME FROM INITIATION OF EPS = 9.0000 HOURS

TIME FROM INITIATION OF EPS = 9.2500 HOURS

... INITIATION OF EPS = 9.5000 HOURS

3 FROM INITIATION OF EPS = 9.7500 HOURS

; FROM INITIATION OF EPS = 10.0000 HOURS

FROM INITIATION OF EPS = 10.2500 HOURS

F. . INITIATION OF EPS = 10.5000 HOURS

FROM INITIATION OF EPS = 10.7500 HOURS

FROM INITIATION OF EPS = 11.0000 HOURS

FROM INITIATION OF EPS = 11.2500 HOURS

'ROM INITIATION OF EPS = 11.5000 HOURS

ROM INITIATION OF EPS = 11.7500 HOURS

ROM INITIATION OF EPS = 12.0000 HOURS

OM INITIATION OF EPS = 12.2500 HOURS

OM INITIATION OF EPS = 12.5000 HOURS

OM INITIATION OF EPS = 12.7500 HOURS

M INITIATION OF EPS = 13.0000 HOURS

M INITIATION OF EPS = 13.2500 HOURS

M INITIATION OF EPS = 13.5000 HOURS

1 INITIATION OF EPS = 13.7500 HOURS

TIATION OF EPS = 14.0000 HOURS

INITIATION OF EPS = 14.2500 HOURS

INITIATION OF EPS = 14.5000 HOURS

INITIATION OF EPS = 14.7500 HOURS

INITIATION OF EPS = 15.0000 HOURS

NITIATION OF EPS = 15.2500 HOURS

NITIATION OF EPS = 15.5000 HOURS

NITIATION OF EPS = 15.7500 HOURS

NITIATION OF EPS = 16.0000 HOURS

ITIATION OF EPS = 16.2500 HOURS

ITIATION OF EPS = 16.5000 HOURS

ITIATION OF EPS = 16.7500 HOURS

TIATION OF EPS = 17.0000 HOURS

TIATION OF EPS = 17.2500 HOURS

TIATION OF EPS = 17.5000 HOURS

TIATION OF EPS = 17.7500 HOURS

IATION OF EPS = 18.0000 HOURS

IATION OF EPS = 18.2500 HOURS

IATION OF EPS = 18.5000 HOURS

TIME FROM INITIATION OF EPS = 18.7500 HOURS

TIME FROM INITIATION OF EPS = 19.0000 HOURS

TIME FROM INITIATION OF EPS = 19.2500 HOURS

ME FROM INITIATION OF EPS = 19.5000 HOURS

TIME FROM INITIATION OF EPS = 19.7500 HOURS

TIME FROM INITIATION OF EPS = 20.0000 HOURS

TIME FROM INITIATION OF EPS = 20.2500 HOURS

TIME FROM INITIATION OF EPS = 20.5000 HOURS

TIME FROM INITIATION OF EPS = 20.7500 HOURS

TIME FROM INITIATION OF EPS = 21.0000 HOURS

TIME FROM INITIATION OF EPS = 21.2500 HOURS

TIME FROM INITIATION OF EPS = 21.5000 HOURS

TIME FROM INITIATION OF EPS = 21.7500 HOURS

TIME FROM INITIATION OF EPS = 22.0000 HOURS

TIME FROM INITIATION OF EPS = 22.2500 HOURS

TIME FROM INITIATION OF EPS = 22.5000 HOURS

TIME FROM INITIATION OF EPS = 22.7500 HOURS

TIME FROM INITIATION OF EPS = 23.0000 HOURS

TIME FROM INITIATION OF EPS = 23.2500 HOURS

TIME FROM INITIATION OF EPS = 23.5000 HOURS

TIME FROM INITIATION OF EPS = 23.7500 HOURS

TIME FROM INITIATION OF EPS = 24.0000 HOURS

TIME FROM INITIATION OF EPS = 24.2500 HOURS

TIME FROM INITIATION OF EPS = 24.5000 HOURS

TIME FROM INITIATION OF EPS = 24.7500 HOURS

TIME FROM INITIATION OF EPS = 25.0000 HOURS

TIME FROM INITIATION OF EPS = 25.2500 HOURS

TIME FROM INITIATION OF EPS = 25.5000 HOURS

TIME FROM INITIATION OF EPS = 25.7500 HOURS

TIME FROM INITIATION OF EPS = 26.0000 HOURS

TIME FROM INITIATION OF EPS = 26.2500 HOURS

TIME FROM INITIATION OF EPS = 26.5000 HOURS

T FROM INITIATION OF EPS = 26.7500 HOURS

TIME FROM INITIATION OF EPS = 27.0000 HOURS

TIME FROM INITIATION OF EPS = 27.2500 HOURS

TIME FROM INITIATION OF EPS = 27.5000 HOURS

TIME FROM INITIATION OF EPS = 27.7500 HOURS

TIME FROM INITIATION OF EPS = 28.0000 HOURS

TIME FROM INITIATION OF EPS = 28.2500 HOURS

TIME FROM INITIATION OF EPS = 28.5000 HOURS

TIME FROM INITIATION OF EPS = 28.7500 HOURS

TIME FROM INITIATION OF EPS = 29.0000 HOURS

TIME FROM INITIATION OF EPS = 29.2500 HOURS

TIME FROM INITIATION OF EPS = 29.5000 HOURS

TIME FROM INITIATION OF EPS = 29.7500 HOURS

TIME FROM INITIATION OF EPS = 30.0000 HOURS

TIME FROM INITIATION OF EPS = 30.2500 HOURS

TIME FROM INITIATION OF EPS = 30.5000 HOURS

TIME FROM INITIATION OF EPS = 30.7500 HOURS

TIME FROM INITIATION OF EPS = 31.0000 HOURS

TIME FROM INITIATION OF EPS = 31.2500 HOURS

TIME FROM INITIATION OF EPS = 31.5000 HOURS

TIME FROM INITIATION OF EPS = 31.7500 HOURS

TIME FROM INITIATION OF EPS = 32.0000 HOURS

E FROM INITIATION OF EPS = 32.2500 HOURS

TIME FROM INITIATION OF EPS = 32.5000 HOURS

TIME FROM INITIATION OF EPS = 32.7500 HOURS

TIME FROM INITIATION OF EPS = 33.0000 HOURS

TIME FROM INITIATION OF EPS = 33.2500 HOURS

TIME FROM INITIATION OF EPS = 33.5000 HOURS

TIME FROM INITIATION OF EPS = 33.7500 HOURS

TIME FROM INITIATION OF EPS = 34.0000 HOURS

TIME FROM INITIATION OF EPS = 34.2500 HOURS

TIME FROM INITIATION OF EPS = 34.5000 HOURS

TIME FROM INITIATION OF EPS = 34.7500 HOURS

TIME FROM INITIATION OF EPS = 35.0000 HOURS

TIME FROM INITIATION OF EPS = 35.2500 HOURS

TIME FROM INITIATION OF EPS = 35.5000 HOURS

T E FROM INITIATION OF EPS = 35.7500 HOURS

TIME FROM INITIATION OF EPS = 36.0000 HOURS

TIME FROM INITIATION OF EPS = 36.2500 HOURS

TIME FROM INITIATION OF EPS = 36.5000 HOURS

TIME FROM INITIATION OF EPS = 36.7500 HOURS

TIME FROM INITIATION OF EPS = 37.0000 HOURS

TIME FROM INITIATION OF EPS = 37.2500 HOURS

TIME FROM INITIATION OF EPS = 37.5000 HOURS

IE FROM INITIATION OF EPS = 37.7500 HOURS

TIME FROM INITIATION OF EPS = 38.0000 HOURS

TIME FROM INITIATION OF EPS = 38.2500 HOURS

TIME FROM INITIATION OF EPS = 38.5000 HOURS

TIME FROM INITIATION OF EPS = 38.7500 HOURS

TIME FROM INITIATION OF EPS = 39.0000 HOURS

TIME FROM INITIATION OF EPS = 39.2500 HOURS

TIME FROM INITIATION OF EPS = 39.5000 HOURS

TIME FROM INITIATION OF EPS = 39.7500 HOURS

TIME FROM INITIATION OF EPS = 40.0000 HOURS

TIME FROM INITIATION OF EPS = 40.2500 HOURS

TIME FROM INITIATION OF EPS = 40.5000 HOURS

TIME FROM INITIATION OF EPS = 40.7500 HOURS

TIME FROM INITIATION OF EPS = 41.0000 HOURS

TIME FROM INITIATION OF EPS = 41.2500 HOURS

TIME FROM INITIATION OF EPS = 41.5000 HOURS

TIME FROM INITIATION OF EPS = 41.7500 HOURS

TIME FROM INITIATION OF EPS = 42.0000 HOURS

TIME FROM INITIATION OF EPS = 42.2500 HOURS

TIME FROM INITIATION OF EPS = 42.5000 HOURS

TIME FROM INITIATION OF EPS = 42.7500 HOURS

TIME FROM INITIATION OF EPS = 43.0000 HOURS

TIME FROM INITIATION OF EPS = 43.2500 HOURS

TIME FROM INITIATION OF EPS = 43.5000 HOURS

TIME FROM INITIATION OF EPS = 43.7500 HOURS

TIME FROM INITIATION OF EPS = 44.0000 HOURS

TIME FROM INITIATION OF EPS = 44.2500 HOURS

TIME FROM INITIATION OF EPS = 44.2500 HOURS

TIME FROM INITIATION OF EPS = 44.5000 HOURS

1 E FROM INITIATION OF EPS = 44.7500 HOURS

TIME FROM INITIATION OF EPS = 45.0000 HOURS

Device Pump-1 IS OPERATING OUT OF RANGE ....

Pump-1	1145.03	130.40	177.75	47.4	63.14		14.	0.2	5.1	**	**

163.4

TIME FROM INITIATION OF EPS = 45.2500 HOURS

TIME FROM INITIATION OF EPS = 45.5000 HOURS

TIME FROM INITIATION OF EPS = 45.7500 HOURS

TIME FROM INITIATION OF EPS = 46.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1200.52 140.34 183.24 42.9 56.94 13. 0.2 5.9 ** **
1..4

TIME FROM INITIATION OF EPS = 46.2500 HOURS

TIME FROM INITIATION OF EPS = 46.5000 HOURS

TIME FROM INITIATION OF EPS = 46.7500 HOURS

TIME FROM INITIATION OF EPS = 47.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1210.75 149.33 191.41 42.1 55.69 13. 0.2 6.7 ** **
182.3

TIME FROM INITIATION OF EPS = 47.2500 HOURS

TIME FROM INITIATION OF EPS = 47.5000 HOURS

TIME FROM INITIATION OF EPS = 47.7500 HOURS

TIME FROM INITIATION OF EPS = 48.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1284.71 163.25 199.40 36.1 45.76 12. 0.2 7.6 ** **
196.2

TIME FROM INITIATION OF EPS = 48.2500 HOURS

TIME FROM INITIATION OF EPS = 48.5000 HOURS

E FROM INITIATION OF EPS = 48.7500 HOURS

TIME FROM INITIATION OF EPS = 49.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1172.54 149.37 194.52 45.1 60.18 13. 0.2 8.5 ** **
182.4

TIME FROM INITIATION OF EPS = 49.2500 HOURS

TIME FROM INITIATION OF EPS = 49.5000 HOURS

TIME FROM INITIATION OF EPS = 49.7500 HOURS

TIME FROM INITIATION OF EPS = 50.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1285.69 167.25 203.32 36.1 45.62 12. 0.2 9.3 ** **
200.2

TIME FROM INITIATION OF EPS = 50.2500 HOURS

TIME FROM INITIATION OF EPS = 50.5000 HOURS

TIME FROM INITIATION OF EPS = 50.7500 HOURS

TIME FROM INITIATION OF EPS = 51.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1219.58 158.32 199.69 41.4 54.59 13. 0.2 10.3 ** **
191.3

T , FROM INITIATION OF EPS = 51.2500 HOURS

TIME FROM INITIATION OF EPS = 51.5000 HOURS

TIME FROM INITIATION OF EPS = 51.7500 HOURS

TIME FROM INITIATION OF EPS = 52.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....

Pump-1 1173.12 151.37 196.47 45.1 60.12 13. 0.2 11.2 ** **
184.4

TIME FROM INITIATION OF EPS = 52.2500 HOURS

TIME FROM INITIATION OF EPS = 52.5000 HOURS

ME FROM INITIATION OF EPS = 52.7500 HOURS

TIME FROM INITIATION OF EPS = 53.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1138.56 142.40 190.28 47.9 63.81 14. 0.2 12.0 ** **
175.4

TIME FROM INITIATION OF EPS = 53.2500 HOURS

TIME FROM INITIATION OF EPS = 53.5000 HOURS

TIME FROM INITIATION OF EPS = 53.7500 HOURS

TIME FROM INITIATION OF EPS = 54.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1114.01 135.43 185.27 49.8 66.21 14. 0.2 12.8 ** **
168.5

TIME FROM INITIATION OF EPS = 54.2500 HOURS

TIME FROM INITIATION OF EPS = 54.5000 HOURS

TIME FROM INITIATION OF EPS = 54.7500 HOURS

TIME FROM INITIATION OF EPS = 55.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1194.83 146.35 189.71 43.4 57.62 13. 0.2 13.6 ** **
179.4

E FROM INITIATION OF EPS = 55.2500 HOURS

TIME FROM INITIATION OF EPS = 55.5000 HOURS

TIME FROM INITIATION OF EPS = 55.7500 HOURS

TIME FROM INITIATION OF EPS = 56.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1252.34 158.29 197.03 38.7 50.31 12. 0.2 14.4 ** **
191.3

TIME FROM INITIATION OF EPS = 56.2500 HOURS

TIME FROM INITIATION OF EPS = 56.5000 HOURS

TIME FROM INITIATION OF EPS = 56.7500 HOURS

TIME FROM INITIATION OF EPS = 57.0000 HOURS
Device Pump-1 IS OPERATING OUT OF RANGE ....
Pump-1 1325.03 172.21 205.12 32.9 39.65 11. 0.2 15.3 ** **
205.2

TIME FROM INITIATION OF EPS = 57.0000 HOURS

TIME FROM INITIATION OF EPS = 57.2500 HOURS

TIME FROM INITIATION OF EPS = 57.5000 HOURS

TIME FROM INITIATION OF EPS = 57.7500 HOURS

TIME FROM INITIATION OF EPS = 58.0000 HOURS

TIME FROM INITIATION OF EPS = 58.2500 HOURS

TIME FROM INITIATION OF EPS = 58.5000 HOURS

TIME FROM INITIATION OF EPS = 58.7500 HOURS

TIME FROM INITIATION OF EPS = 59.0000 HOURS

TIME FROM INITIATION OF EPS = 59.2500 HOURS

TIME FROM INITIATION OF EPS = 59.5000 HOURS

ME FROM INITIATION OF EPS = 59.7500 HOURS

TIME FROM INITIATION OF EPS = 60.0000 HOURS

TIME FROM INITIATION OF EPS = 60.2500 HOURS

TIME FROM INITIATION OF EPS = 60.5000 HOURS

TIME FROM INITIATION OF EPS = 60.7500 HOURS

TIME FROM INITIATION OF EPS = 61.0000 HOURS

TIME FROM INITIATION OF EPS = 61.2500 HOURS

TIME FROM INITIATION OF EPS = 61.5000 HOURS

TIME FROM INITIATION OF EPS = 61.7500 HOURS

TIME FROM INITIATION OF EPS = 62.0000 HOURS

TIME FROM INITIATION OF EPS = 62.2500 HOURS

TIME FROM INITIATION OF EPS = 62.5000 HOURS

TIME FROM INITIATION OF EPS = 62.7500 HOURS

TIME FROM INITIATION OF EPS = 63.0000 HOURS

TIME FROM INITIATION OF EPS = 63.2500 HOURS

E FROM INITIATION OF EPS = 63.5000 HOURS

TIME FROM INITIATION OF EPS = 63.7500 HOURS

TIME FROM INITIATION OF EPS = 64.0000 HOURS

TIME FROM INITIATION OF EPS = 64.2500 HOURS

TIME FROM INITIATION OF EPS = 64.4851 HOURS

TIME FROM INITIATION OF EPS = 64.4852 HOURS

TIME FROM INITIATION OF EPS = 64.5000 HOURS

TIME FROM INITIATION OF EPS = 64.7500 HOURS

TIME FROM INITIATION OF EPS = 65.0000 HOURS

TIME FROM INITIATION OF EPS = 65.2500 HOURS

TIME FROM INITIATION OF EPS = 65.5000 HOURS

TIME FROM INITIATION OF EPS = 65.7500 HOURS

TIME FROM INITIATION OF EPS = 66.0000 HOURS

TIME FROM INITIATION OF EPS = 66.2500 HOURS

T FROM INITIATION OF EPS = 66.5000 HOURS

TIME FROM INITIATION OF EPS = 66.7500 HOURS

TIME FROM INITIATION OF EPS = 67.0000 HOURS

TIME FROM INITIATION OF EPS = 67.2500 HOURS

TIME FROM INITIATION OF EPS = 67.5000 HOURS

TIME FROM INITIATION OF EPS = 67.7500 HOURS

TIME FROM INITIATION OF EPS = 68.0000 HOURS

TIME FROM INITIATION OF EPS = 68.2500 HOURS

ME FROM INITIATION OF EPS = 68.5000 HOURS

TIME FROM INITIATION OF EPS = 68.7500 HOURS

TIME FROM INITIATION OF EPS = 69.0000 HOURS

TIME FROM INITIATION OF EPS = 69.2500 HOURS

TIME FROM INITIATION OF EPS = 69.5000 HOURS

TIME FROM INITIATION OF EPS = 69.7500 HOURS

TIME FROM INITIATION OF EPS = 70.0000 HOURS

TIME FROM INITIATION OF EPS = 70.2500 HOURS

TIME FROM INITIATION OF EPS = 70.5000 HOURS

TIME FROM INITIATION OF EPS = 70.7500 HOURS

TIME FROM INITIATION OF EPS = 71.0000 HOURS

V A R I A B L E H E A D T A N K D A T A

TANK NAME (*)	MAXIMUM ELEVATION (ft)	MINIMUM ELEVATION (ft)	TANK CAPACITY (gal)	INITIAL VOLUME (gal)	EXTERNAL FLOW (gpm)
TANK-A(1)	1169.20	1153.00	54826.	3384.	0.00
TANK-B(1)	1171.00	1135.00	528802.	190956.	0.00
TANK-C(1)	1171.00	1133.00	1094032.	431855.	0.00

* TANK TYPE: (1) - CONSTANT DIAMETER (2) - VARIABLE AREA

TIME FROM INITIATION OF EPS = 0.0000 HOURS

TIME FROM INITIATION OF EPS = 0.0001 HOURS

TANK-A(1)	-163.01	1154.00	1.00	3384.	6.2	DRAINING	0.28
TANK-B(1)	724.79	1148.00	13.00	190956.	36.1	FILLING	13.74
TANK-C(1)	623.51	1148.00	15.00	431855.	39.5	FILLING	15.32

TIME FROM INITIATION OF EPS = 0.2500 HOURS

TIME FROM INITIATION OF EPS = 0.3635 HOURS

TANK-A(1)	-126.69	1153.00	0.00	0.	0.0		0.00
TANK-B(1)	689.36	1149.06	14.06	206591.	39.1	FILLING	14.06
TANK-C(1)	617.69	1148.47	15.47	445424.	40.7	FILLING	15.47

TIME FROM INITIATION OF EPS = 0.3635 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	659.94	1149.06	14.06	206593.	39.1	FILLING	14.43
TANK-C(1)	522.74	1148.47	15.47	445426.	40.7	FILLING	15.62

TIME FROM INITIATION OF EPS = 0.5000 HOURS

[illegible] FROM INITIATION OF EPS = 0.7500 HOURS

TIME FROM INITIATION OF EPS = 1.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	570.98	1150.74	15.74	231227.	43.7	FILLING	16.32
TANK-C(1)	532.06	1149.18	16.18	465844.	42.6	FILLING	16.46

TIME FROM INITIATION OF EPS = 1.2500 HOURS

TIME FROM INITIATION OF EPS = 1.5000 HOURS

TIME FROM INITIATION OF EPS = 1.7500 HOURS

TIME FROM INITIATION OF EPS = 2.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	598.93	1152.98	17.98	264174.	50.0	FILLING	18.60
TANK-C(1)	617.36	1150.32	17.32	498777.	45.6	FILLING	17.65

TIME FROM INITIATION OF EPS = 2.2500 HOURS

TIME FROM INITIATION OF EPS = 2.5000 HOURS

TIME FROM INITIATION OF EPS = 2.7500 HOURS

TIME FROM INITIATION OF EPS = 3.0000 HOURS

TANK-A(1)	42.31	1153.35	0.35	1185.	2.2	FILLING	0.54
TANK-B(1)	446.54	1155.33	20.33	298638.	56.5	FILLING	20.79
TANK-C(1)	585.01	1151.61	18.61	535810.	49.0	FILLING	18.92

T FROM INITIATION OF EPS = 3.2500 HOURS

TIME FROM INITIATION OF EPS = 3.5000 HOURS

TIME FROM INITIATION OF EPS = 3.7500 HOURS

TIME FROM INITIATION OF EPS = 4.0000 HOURS

TANK-A(1)	54.00	1154.28	1.28	4333.	7.9	FILLING	1.52

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TANK-C(1)	563.03	1152.83	19.83	570971.	52.2	FILLING	20.13

TIME FROM INITIATION OF EPS = 4.2500 HOURS

TIME FROM INITIATION OF EPS = 4.5000 HOURS

TIME FROM INITIATION OF EPS = 4.7500 HOURS

TIME FROM INITIATION OF EPS = 5.0000 HOURS

TANK-A(1)	-92.34	1155.29	2.29	7759.	14.2	DRAINING	1.88
TANK-B(1)	-652.19	1158.23	23.23	341286.	64.5	DRAINING	22.57
TANK-C(1)	106.99	1154.00	21.00	604560.	55.3	FILLING	21.05

TIME FROM INITIATION OF EPS = 5.2500 HOURS

TIME FROM INITIATION OF EPS = 5.5000 HOURS

TIME FROM INITIATION OF EPS = 5.7500 HOURS

TIME FROM INITIATION OF EPS = 6.0000 HOURS

TANK-A(1)	-62.39	1154.11	1.11	3740.	6.8	DRAINING	0.83
TANK-B(1)	-656.18	1155.83	20.83	305967.	57.9	DRAINING	20.16
TANK-C(1)	-301.50	1154.04	21.04	605644.	55.4	DRAINING	20.88

TIME FROM INITIATION OF EPS = 6.2500 HOURS

TIME FROM INITIATION OF EPS = 6.5000 HOURS

TIME FROM INITIATION OF EPS = 6.7500 HOURS

TIME FROM INITIATION OF EPS = 7.0000 HOURS

TANK-A(1)	-48.68	1153.03	0.03	118.	0.2	DRAINING	0.00
TANK-B(1)	-500.46	1153.29	18.29	268611.	50.8	DRAINING	18.20
TANK-C(1)	-343.43	1153.33	20.33	585418.	53.5	DRAINING	20.30

[illegible]E FROM INITIATION OF EPS = 7.0404 HOURS

TANK-A(1)	-48.93	1153.00	0.00	0.	0.0		0.00
TANK-B(1)	-497.67	1153.20	18.20	267400.	50.6	DRAINING	18.20
TANK-C(1)	-345.96	1153.30	20.30	584586.	53.4	DRAINING	20.30

TIME FROM INITIATION OF EPS = 7.0405 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-507.44	1153.20	18.20	267397.	50.6	DRAINING	17.77
TANK-C(1)	-385.12	1153.30	20.30	584584.	53.4	DRAINING	20.14

TIME FROM INITIATION OF EPS = 7.2500 HOURS

TIME FROM INITIATION OF EPS = 7.5000 HOURS

TIME FROM INITIATION OF EPS = 7.7500 HOURS

TIME FROM INITIATION OF EPS = 8.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-233.90	1151.30	16.30	239428.	45.3	DRAINING	16.06
TANK-C(1)	-327.14	1152.49	19.49	561165.	51.3	DRAINING	19.32

TIME FROM INITIATION OF EPS = 8.2500 HOURS

TIME FROM INITIATION OF EPS = 8.5000 HOURS

TIME FROM INITIATION OF EPS = 8.7500 HOURS

TIME FROM INITIATION OF EPS = 9.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	346.56	1150.39	15.39	226074.	42.8	FILLING	15.74
TANK-C(1)	2.60	1151.80	18.80	541203.	49.5	FILLING	18.80

TIME FROM INITIATION OF EPS = 9.2500 HOURS

TIME FROM INITIATION OF EPS = 9.5000 HOURS

TIME FROM INITIATION OF EPS = 9.7500 HOURS

TIME FROM INITIATION OF EPS = 10.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	193.94	1151.61	16.61	244037.	46.1	FILLING	16.81
TANK-C(1)	75.74	1151.89	18.89	543781.	49.7	FILLING	18.93

TIME FROM INITIATION OF EPS = 10.2500 HOURS

ME FROM INITIATION OF EPS = 10.5000 HOURS

TIME FROM INITIATION OF EPS = 10.7500 HOURS

TIME FROM INITIATION OF EPS = 11.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-139.19	1152.27	17.27	253701.	48.0	DRAINING	17.13
TANK-C(1)	-17.11	1152.10	19.10	549949.	50.3	DRAINING	19.09

TIME FROM INITIATION OF EPS = 11.2500 HOURS

TIME FROM INITIATION OF EPS = 11.5000 HOURS

TIME FROM INITIATION OF EPS = 11.7500 HOURS

TIME FROM INITIATION OF EPS = 12.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-19.97	1151.82	16.82	247099.	46.7	DRAINING	16.80
TANK-C(1)	-51.50	1152.01	19.01	547442.	50.0	DRAINING	18.99

TIME FROM INITIATION OF EPS = 12.2500 HOURS

TIME FROM INITIATION OF EPS = 12.5000 HOURS

TIME FROM INITIATION OF EPS = 12.7500 HOURS

TIME FROM INITIATION OF EPS = 13.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-55.90	1151.74	16.74	245868.	46.5	DRAINING	16.68
TANK-C(1)	-81.86	1151.91	18.91	544484.	49.8	DRAINING	18.87

TIME FROM INITIATION OF EPS = 13.2500 HOURS

TIME FROM INITIATION OF EPS = 13.5000 HOURS

TIME FROM INITIATION OF EPS = 13.7500 HOURS

TIME FROM INITIATION OF EPS = 14.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	93.56	1151.53	16.53	242847.	45.9	FILLING	16.63
TANK-C(1)	-17.43	1151.74	18.74	539523.	49.3	DRAINING	18.73

TIME FROM INITIATION OF EPS = 14.2500 HOURS

TIME FROM INITIATION OF EPS = 14.5000 HOURS

TIME FROM INITIATION OF EPS = 14.7500 HOURS

TIME FROM INITIATION OF EPS = 15.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-221.90	1151.78	16.78	246543.	46.6	DRAINING	16.56
TANK-C(1)	-160.63	1151.76	18.76	540164.	49.4	DRAINING	18.68

TIME FROM INITIATION OF EPS = 15.2500 HOURS

TIME FROM INITIATION OF EPS = 15.5000 HOURS

T FROM INITIATION OF EPS = 15.7500 HOURS

TIME FROM INITIATION OF EPS = 16.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-337.63	1150.96	15.96	234422.	44.3	DRAINING	15.61
TANK-C(1)	-299.92	1151.39	18.39	529333.	48.4	DRAINING	18.23

TIME FROM INITIATION OF EPS = 16.2500 HOURS

TIME FROM INITIATION OF EPS = 16.5000 HOURS

TIME FROM INITIATION OF EPS = 16.7500 HOURS

TIME FROM INITIATION OF EPS = 17.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-538.03	1149.65	14.65	215217.	40.7	DRAINING	14.10
TANK-C(1)	-482.05	1150.72	17.72	510286.	46.6	DRAINING	17.47

TIME FROM INITIATION OF EPS = 17.2500 HOURS

TIME FROM INITIATION OF EPS = 17.5000 HOURS

TIME FROM INITIATION OF EPS = 17.7500 HOURS

TIME FROM INITIATION OF EPS = 18.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-490.57	1147.54	12.54	184186.	34.8	DRAINING	12.04
TANK-C(1)	-529.50	1149.68	16.68	480283.	43.9	DRAINING	16.41

TIME FROM INITIATION OF EPS = 18.2500 HOURS

TIME FROM INITIATION OF EPS = 18.5000 HOURS

TIME FROM INITIATION OF EPS = 18.7500 HOURS

TIME FROM INITIATION OF EPS = 19.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-272.03	1145.59	10.59	155605.	29.4	DRAINING	10.32
TANK-C(1)	-493.03	1148.55	15.55	447660.	40.9	DRAINING	15.29

TIME FROM INITIATION OF EPS = 19.2500 HOURS

TIME FROM INITIATION OF EPS = 19.5000 HOURS

TIME FROM INITIATION OF EPS = 19.7500 HOURS

TIME FROM INITIATION OF EPS = 20.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-169.19	1144.49	9.49	139381.	26.4	DRAINING	9.32
TANK-C(1)	-468.36	1147.52	14.52	417980.	38.2	DRAINING	14.27

TIME FROM INITIATION OF EPS = 20.2500 HOURS

TIME FROM INITIATION OF EPS = 20.5000 HOURS

TIME FROM INITIATION OF EPS = 20.7500 HOURS

TIME FROM INITIATION OF EPS = 21.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-184.25	1143.77	8.77	128865.	24.4	DRAINING	8.58
TANK-C(1)	-453.30	1146.55	13.55	390244.	35.7	DRAINING	13.32

TIME FROM INITIATION OF EPS = 21.2500 HOURS

TIME FROM INITIATION OF EPS = 21.5000 HOURS

TIME FROM INITIATION OF EPS = 21.7500 HOURS

TIME FROM INITIATION OF EPS = 22.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-91.54	1143.00	8.00	117560.	22.2	DRAINING	7.91
TANK-C(1)	-418.50	1145.62	12.62	363296.	33.2	DRAINING	12.40

TIME FROM INITIATION OF EPS = 22.2500 HOURS

TIME FROM INITIATION OF EPS = 22.5000 HOURS

TIME FROM INITIATION OF EPS = 22.7500 HOURS

TIME FROM INITIATION OF EPS = 23.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TANK-C(1)	-314.25	1144.77	11.77	338913.	31.0	DRAINING	11.61

TIME FROM INITIATION OF EPS = 23.2500 HOURS

TIME FROM INITIATION OF EPS = 23.5000 HOURS

TIME FROM INITIATION OF EPS = 23.7500 HOURS

TIME FROM INITIATION OF EPS = 24.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	397.21	1143.19	8.19	120303.	22.8	FILLING	8.60
TANK-C(1)	144.98	1144.19	11.19	322300.	29.5	FILLING	11.27

TIME FROM INITIATION OF EPS = 24.2500 HOURS

TIME FROM INITIATION OF EPS = 24.5000 HOURS

TIME FROM INITIATION OF EPS = 24.7500 HOURS

TIME FROM INITIATION OF EPS = 25.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-65.74	1144.63	9.63	141499.	26.8	DRAINING	9.57
TANK-C(1)	14.74	1144.57	11.57	333009.	30.4	FILLING	11.57

TIME FROM INITIATION OF EPS = 25.2500 HOURS

TIME FROM INITIATION OF EPS = 25.5000 HOURS

TIME FROM INITIATION OF EPS = 25.7500 HOURS

TIME FROM INITIATION OF EPS = 26.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	366.41	1144.50	9.50	139617.	26.4	FILLING	9.88
TANK-C(1)	265.01	1144.53	11.53	331830.	30.3	FILLING	11.66

TIME FROM INITIATION OF EPS = 26.2500 HOURS

TIME FROM INITIATION OF EPS = 26.5000 HOURS

TIME FROM INITIATION OF EPS = 26.7500 HOURS

TIME FROM INITIATION OF EPS = 27.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	16.40	1145.88	10.88	159828.	30.2	FILLING	10.90
TANK-C(1)	208.83	1145.12	12.12	348846.	31.9	FILLING	12.23

TIME FROM INITIATION OF EPS = 27.2500 HOURS

TIME FROM INITIATION OF EPS = 27.5000 HOURS

TIME FROM INITIATION OF EPS = 27.7500 HOURS

TIME FROM INITIATION OF EPS = 28.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-220.44	1146.00	11.00	161508.	30.5	DRAINING	10.77
TANK-C(1)	-34.57	1145.52	12.52	360478.	32.9	DRAINING	12.50

TIME FROM INITIATION OF EPS = 28.2500 HOURS

TIME FROM INITIATION OF EPS = 28.5000 HOURS

TIME FROM INITIATION OF EPS = 28.7500 HOURS

TIME FROM INITIATION OF EPS = 29.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-132.10	1145.26	10.26	150776.	28.5	DRAINING	10.13
TANK-C(1)	-122.91	1145.36	12.36	355909.	32.5	DRAINING	12.30

TIME FROM INITIATION OF EPS = 29.2500 HOURS

TIME FROM INITIATION OF EPS = 29.5000 HOURS

TIME FROM INITIATION OF EPS = 29.7500 HOURS

TIME FROM INITIATION OF EPS = 30.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-547.91	1144.78	9.78	143647.	27.2	DRAINING	9.22
TANK-C(1)	-431.61	1145.08	12.08	347737.	31.8	DRAINING	11.85

TIME FROM INITIATION OF EPS = 30.2500 HOURS

TIME FROM INITIATION OF EPS = 30.5000 HOURS

TIME FROM INITIATION OF EPS = 30.7500 HOURS

TIME FROM INITIATION OF EPS = 31.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-407.42	1142.67	7.67	112713.	21.3	DRAINING	7.26
TANK-C(1)	-437.57	1144.15	11.15	320898.	29.3	DRAINING	10.92

TIME FROM INITIATION OF EPS = 31.2500 HOURS

TIME FROM INITIATION OF EPS = 31.5000 HOURS

TIME FROM INITIATION OF EPS = 31.7500 HOURS

TIME FROM INITIATION OF EPS = 32.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	254.33	1141.10	6.10	89664.	17.0	FILLING	6.36
TANK-C(1)	-207.67	1143.21	10.21	294086.	26.9	DRAINING	10.11

TIME FROM INITIATION OF EPS = 32.2500 HOURS

TIME FROM INITIATION OF EPS = 32.5000 HOURS

TIME FROM INITIATION OF EPS = 32.7500 HOURS

TIME FROM INITIATION OF EPS = 33.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	401.56	1141.96	6.96	102222.	19.3	FILLING	7.37
TANK-C(1)	164.90	1142.87	9.87	284199.	26.0	FILLING	9.96

TIME FROM INITIATION OF EPS = 33.2500 HOURS

TIME FROM INITIATION OF EPS = 33.5000 HOURS

TIME FROM INITIATION OF EPS = 33.7500 HOURS

TIME FROM INITIATION OF EPS = 34.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	272.54	1143.43	8.43	123796.	23.4	FILLING	8.71
TANK-C(1)	226.08	1143.29	10.29	296124.	27.1	FILLING	10.40

TIME FROM INITIATION OF EPS = 34.2500 HOURS

TIME FROM INITIATION OF EPS = 34.5000 HOURS

TIME FROM INITIATION OF EPS = 34.7500 HOURS

TIME FROM INITIATION OF EPS = 35.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-41.16	1144.44	9.44	138714.	26.2	DRAINING	9.40
TANK-C(1)	150.20	1143.79	10.79	310668.	28.4	FILLING	10.87

TIME FROM INITIATION OF EPS = 35.2500 HOURS

TIME FROM INITIATION OF EPS = 35.5000 HOURS

T. FROM INITIATION OF EPS = 35.7500 HOURS

TIME FROM INITIATION OF EPS = 36.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	71.52	1144.35	9.35	137333.	26.0	FILLING	9.42
TANK-C(1)	138.45	1144.07	11.07	318592.	29.1	FILLING	11.14

TIME FROM INITIATION OF EPS = 36.2500 HOURS

TIME FROM INITIATION OF EPS = 36.5000 HOURS

TIME FROM INITIATION OF EPS = 36.7500 HOURS

TIME FROM INITIATION OF EPS = 37.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	50.54	1144.63	9.63	141490.	26.8	FILLING	9.68
TANK-C(1)	128.48	1144.35	11.35	326842.	29.9	FILLING	11.42

TIME FROM INITIATION OF EPS = 37.2500 HOURS

TIME FROM INITIATION OF EPS = 37.5000 HOURS

TIME FROM INITIATION OF EPS = 37.7500 HOURS

TIME FROM INITIATION OF EPS = 38.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	182.02	1144.84	9.84	144588.	27.3	FILLING	10.03
TANK-C(1)	182.40	1144.61	11.61	334321.	30.6	FILLING	11.71

TIME FROM INITIATION OF EPS = 38.2500 HOURS

TIME FROM INITIATION OF EPS = 38.5000 HOURS

TIME FROM INITIATION OF EPS = 38.7500 HOURS

TIME FROM INITIATION OF EPS = 39.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-73.91	1145.51	10.51	154410.	29.2	DRAINING	10.44
TANK-C(1)	121.74	1145.02	12.02	345926.	31.6	FILLING	12.08

TIME FROM INITIATION OF EPS = 39.2500 HOURS

TIME FROM INITIATION OF EPS = 39.5000 HOURS

E FROM INITIATION OF EPS = 39.7500 HOURS

TIME FROM INITIATION OF EPS = 40.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-300.19	1145.33	10.33	151667.	28.7	DRAINING	10.02
TANK-C(1)	-210.14	1145.21	12.21	351667.	32.1	DRAINING	12.11

TIME FROM INITIATION OF EPS = 40.2500 HOURS

TIME FROM INITIATION OF EPS = 40.5000 HOURS

TIME FROM INITIATION OF EPS = 40.7500 HOURS

TIME FROM INITIATION OF EPS = 41.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-418.80	1144.25	9.25	135925.	25.7	DRAINING	8.83
TANK-C(1)	-365.53	1144.75	11.75	338339.	30.9	DRAINING	11.56

TIME FROM INITIATION OF EPS = 41.2500 HOURS

TIME FROM INITIATION OF EPS = 41.5000 HOURS

TIME FROM INITIATION OF EPS = 41.7500 HOURS

TIME FROM INITIATION OF EPS = 42.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-400.00	1142.69	7.69	112908.	21.4	DRAINING	7.28
TANK-C(1)	-422.00	1143.97	10.97	315860.	28.9	DRAINING	10.75

T. FROM INITIATION OF EPS = 42.2500 HOURS

TIME FROM INITIATION OF EPS = 42.5000 HOURS

TIME FROM INITIATION OF EPS = 42.7500 HOURS

TIME FROM INITIATION OF EPS = 43.0000 HOURS

[illegible]	[illegible]	[illegible]	[illegible]	0.	0.0	EMPTY	0.00
TANK-B(1)	-294.45	1141.18	6.18	90825.	17.2	DRAINING	5.88
TANK-C(1)	-418.94	1143.08	10.08	290223.	26.5	DRAINING	9.86

TIME FROM INITIATION OF EPS = 43.2500 HOURS

TIME FROM INITIATION OF EPS = 43.5000 HOURS

[illegible]E FROM INITIATION OF EPS = 43.7500 HOURS

TIME FROM INITIATION OF EPS = 44.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-181.72	1140.04	5.04	74075.	14.0	DRAINING	4.86
TANK-C(1)	-401.83	1142.20	9.20	264860.	24.2	DRAINING	8.99

TIME FROM INITIATION OF EPS = 44.2500 HOURS

TIME FROM INITIATION OF EPS = 44.5000 HOURS

TIME FROM INITIATION OF EPS = 44.7500 HOURS

TIME FROM INITIATION OF EPS = 45.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	374.05	1141.08	6.08	89294.	16.9	FILLING	6.46
TANK-C(1)	133.43	1142.06	9.06	260730.	23.8	FILLING	9.13

TIME FROM INITIATION OF EPS = 45.2500 HOURS

TIME FROM INITIATION OF EPS = 45.5000 HOURS

TIME FROM INITIATION OF EPS = 45.7500 HOURS

TIME FROM INITIATION OF EPS = 46.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	392.16	1142.45	7.45	109449.	20.7	FILLING	7.85
TANK-C(1)	298.32	1142.41	9.41	270873.	24.8	FILLING	9.56

. [illegible]E FROM INITIATION OF EPS = 46.2500 HOURS

TIME FROM INITIATION OF EPS = 46.5000 HOURS

TIME FROM INITIATION OF EPS = 46.7500 HOURS

TIME FROM INITIATION OF EPS = 47.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	587.43	1143.95	8.95	131484.	24.9	FILLING	9.55
TANK-C(1)	495.81	1143.08	10.08	290069.	26.5	FILLING	10.33

TIME FROM INITIATION OF EPS = 47.2500 HOURS

TIME FROM INITIATION OF EPS = 47.5000 HOURS

TIME FROM INITIATION OF EPS = 47.7500 HOURS

TIME FROM INITIATION OF EPS = 48.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	631.78	1146.25	11.25	165265.	31.3	FILLING	11.90
TANK-C(1)	601.93	1144.15	11.15	320985.	29.3	FILLING	11.46

TIME FROM INITIATION OF EPS = 48.2500 HOURS

TIME FROM INITIATION OF EPS = 48.5000 HOURS

TIME FROM INITIATION OF EPS = 48.7500 HOURS

T[illegible] FROM INITIATION OF EPS = 49.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	509.92	1148.74	13.74	201860.	38.2	FILLING	14.26
TANK-C(1)	611.61	1145.44	12.44	358090.	32.7	FILLING	12.76

TIME FROM INITIATION OF EPS = 49.2500 HOURS

TIME FROM INITIATION OF EPS = 49.5000 HOURS

TIME FROM INITIATION OF EPS = 49.7500 HOURS

TIME FROM INITIATION OF EPS = 50.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	558.54	1150.76	15.76	231534.	43.8	FILLING	16.33
TANK-C(1)	676.15	1146.73	13.73	395418.	36.1	FILLING	14.09

IE FROM INITIATION OF EPS = 50.2500 HOURS

TIME FROM INITIATION OF EPS = 50.5000 HOURS

TIME FROM INITIATION OF EPS = 50.7500 HOURS

TIME FROM INITIATION OF EPS = 51.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	424.15	1152.98	17.98	264114.	49.9	FILLING	18.41
TANK-C(1)	667.92	1148.17	15.17	436610.	39.9	FILLING	15.51

TIME FROM INITIATION OF EPS = 51.2500 HOURS

TIME FROM INITIATION OF EPS = 51.5000 HOURS

TIME FROM INITIATION OF EPS = 51.7500 HOURS

TIME FROM INITIATION OF EPS = 52.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	271.97	1154.68	19.68	289056.	54.7	FILLING	19.96
TANK-C(1)	646.14	1149.57	16.57	476932.	43.6	FILLING	16.90

TIME FROM INITIATION OF EPS = 52.2500 HOURS

TIME FROM INITIATION OF EPS = 52.5000 HOURS

TIME FROM INITIATION OF EPS = 52.7500 HOURS

T 'E FROM INITIATION OF EPS = 53.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-34.49	1155.80	20.80	305469.	57.8	DRAINING	20.76
TANK-C(1)	535.51	1150.90	17.90	515414.	47.1	FILLING	18.18

TIME FROM INITIATION OF EPS = 53.2500 HOURS

TIME FROM INITIATION OF EPS = 53.5000 HOURS

TIME FROM INITIATION OF EPS = 53.7500 HOURS

TIME FROM INITIATION OF EPS = 54.0000 HOURS

TANK-A(1)	-24.85	1153.18	0.18	603.	1.1	DRAINING	0.07
TANK-B(1)	-258.39	1155.73	20.73	304448.	57.6	DRAINING	20.46
TANK-C(1)	377.18	1151.96	18.96	545860.	49.9	FILLING	19.16

TIME FROM INITIATION OF EPS = 54.2500 HOURS

TIME FROM INITIATION OF EPS = 54.5000 HOURS

TIME FROM INITIATION OF EPS = 54.7500 HOURS

TIME FROM INITIATION OF EPS = 55.0000 HOURS

TANK-A(1)	35.22	1153.20	0.20	693.	1.3	FILLING	0.36
TANK-B(1)	-35.00	1154.81	19.81	290977.	55.0	DRAINING	19.77
TANK-C(1)	302.04	1152.62	19.62	564995.	51.6	FILLING	19.78

TIME FROM INITIATION OF EPS = 55.2500 HOURS

T FROM INITIATION OF EPS = 55.5000 HOURS

TIME FROM INITIATION OF EPS = 55.7500 HOURS

TIME FROM INITIATION OF EPS = 56.0000 HOURS

TANK-A(1)	50.81	1153.75	0.75	2543.	4.6	FILLING	0.98
TANK-B(1)	280.91	1154.75	19.75	290041.	54.8	FILLING	20.03
TANK-C(1)	359.58	1153.22	20.22	582193.	53.2	FILLING	20.41

TIME FROM INITIATION OF EPS = 56.2500 HOURS

TIME FROM INITIATION OF EPS = 56.5000 HOURS

TIME FROM INITIATION OF EPS = 56.7500 HOURS

TIME FROM INITIATION OF EPS = 57.0000 HOURS

TANK-A(1)	-10.01	1154.64	1.64	5538.	10.1	DRAINING	1.59
TANK-B(1)	-76.11	1155.85	20.85	306228.	57.9	DRAINING	20.77
TANK-C(1)	302.79	1153.99	20.99	604320.	55.2	FILLING	21.15

TIME FROM INITIATION OF EPS = 57.2500 HOURS

TIME FROM INITIATION OF EPS = 57.5000 HOURS

TIME FROM INITIATION OF EPS = 57.7500 HOURS

TIME FROM INITIATION OF EPS = 58.0000 HOURS

TANK-A(1)	9.73	1154.84	1.84	6233.	11.4	FILLING	1.88
TANK-B(1)	-72.94	1155.62	20.62	302848.	57.3	DRAINING	20.54
TANK-C(1)	205.38	1154.54	21.54	620075.	56.7	FILLING	21.64

TIME FROM INITIATION OF EPS = 58.2500 HOURS

TIME FROM INITIATION OF EPS = 58.5000 HOURS

TIME FROM INITIATION OF EPS = 58.7500 HOURS

TIME FROM INITIATION OF EPS = 59.0000 HOURS

TANK-A(1)	-32.73	1155.07	2.07	6999.	12.8	DRAINING	1.92
TANK-B(1)	-248.92	1155.42	20.42	299922.	56.7	DRAINING	20.16
TANK-C(1)	-11.77	1154.91	21.91	630823.	57.7	DRAINING	21.90

TIME FROM INITIATION OF EPS = 59.2500 HOURS

TIME FROM INITIATION OF EPS = 59.5000 HOURS

TIME FROM INITIATION OF EPS = 59.7500 HOURS

TIME FROM INITIATION OF EPS = 60.0000 HOURS

TANK-A(1)	-16.64	1154.74	1.74	5901.	10.8	DRAINING	1.67
TANK-B(1)	-110.15	1154.61	19.61	288020.	54.5	DRAINING	19.50
TANK-C(1)	-112.61	1154.77	21.77	626661.	57.3	DRAINING	21.71

TIME FROM INITIATION OF EPS = 60.2500 HOURS

TIME FROM INITIATION OF EPS = 60.5000 HOURS

TIME FROM INITIATION OF EPS = 60.7500 HOURS

TIME FROM INITIATION OF EPS = 61.0000 HOURS

TANK-A(1)	-27.79	1154.47	1.47	4977.	9.1	DRAINING	1.35
TANK-B(1)	-166.56	1154.22	19.22	282322.	53.4	DRAINING	19.05
TANK-C(1)	-166.92	1154.52	21.52	619502.	56.6	DRAINING	21.43

TIME FROM INITIATION OF EPS = 61.2500 HOURS

TIME FROM INITIATION OF EPS = 61.5000 HOURS

TIME FROM INITIATION OF EPS = 61.7500 HOURS

TIME FROM INITIATION OF EPS = 62.0000 HOURS

TANK-A(1)	-10.75	1154.04	1.04	3507.	6.4	DRAINING	0.99
TANK-B(1)	33.08	1153.64	18.64	273815.	51.8	FILLING	18.67
TANK-C(1)	-147.37	1154.15	21.15	609016.	55.7	DRAINING	21.08

TIME FROM INITIATION OF EPS = 62.2500 HOURS

TIME FROM INITIATION OF EPS = 62.5000 HOURS

TIME FROM INITIATION OF EPS = 62.7500 HOURS

TANK-A(1)	-28.33	1153.85	0.85	2875.	5.2	DRAINING	0.72
TANK-B(1)	-192.26	1153.69	18.69	274501.	51.9	DRAINING	18.49
TANK-C(1)	-161.94	1153.89	20.89	601508.	55.0	DRAINING	20.81

TIME FROM INITIATION OF EPS = 63.2500 HOURS

TIME FROM INITIATION OF EPS = 63.5000 HOURS

TIME FROM INITIATION OF EPS = 63.7500 HOURS

TIME FROM INITIATION OF EPS = 64.0000 HOURS

TANK-A(1)	-44.34	1153.38	0.38	1276.	2.3	DRAINING	0.18
TANK-B(1)	-319.46	1152.97	17.97	263897.	49.9	DRAINING	17.64
TANK-C(1)	-273.75	1153.52	20.52	590759.	54.0	DRAINING	20.38

TIME FROM INITIATION OF EPS = 64.2500 HOURS

TIME FROM INITIATION OF EPS = 64.4851 HOURS

TANK-A(1)	-42.91	1153.00	0.00	0.	0.0		0.00
TANK-B(1)	-296.72	1152.34	17.34	254772.	48.2	DRAINING	17.34
TANK-C(1)	-297.92	1153.24	20.24	582602.	53.3	DRAINING	20.24

TIME FROM INITIATION OF EPS = 64.4852 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-306.74	1152.34	17.34	254771.	48.2	DRAINING	17.33
TANK-C(1)	-330.80	1153.24	20.24	582601.	53.3	DRAINING	20.23

TIME FROM INITIATION OF EPS = 64.5000 HOURS

TIME FROM INITIATION OF EPS = 64.7500 HOURS

TIME FROM INITIATION OF EPS = 65.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-533.90	1151.71	16.71	245452.	46.4	DRAINING	16.16
TANK-C(1)	-486.18	1152.88	19.88	572228.	52.3	DRAINING	19.62

E FROM INITIATION OF EPS = 65.2500 HOURS

TIME FROM INITIATION OF EPS = 65.5000 HOURS

TIME FROM INITIATION OF EPS = 65.7500 HOURS

TIME FROM INITIATION OF EPS = 66.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-487.23	1149.60	14.60	214531.	40.6	DRAINING	14.11
TANK-C(1)	-532.85	1151.82	18.82	541944.	49.5	DRAINING	18.55

TIME FROM INITIATION OF EPS = 66.2500 HOURS

TIME FROM INITIATION OF EPS = 66.5000 HOURS

TIME FROM INITIATION OF EPS = 66.7500 HOURS

TIME FROM INITIATION OF EPS = 67.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-268.89	1147.67	12.67	186131.	35.2	DRAINING	12.40
TANK-C(1)	-496.17	1150.68	17.68	509139.	46.5	DRAINING	17.43

TIME FROM INITIATION OF EPS = 67.2500 HOURS

TIME FROM INITIATION OF EPS = 67.5000 HOURS

TIME FROM INITIATION OF EPS = 67.7500 HOURS

TIME FROM INITIATION OF EPS = 68.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-166.75	1146.58	11.58	170073.	32.2	DRAINING	11.41
TANK-C(1)	-470.79	1149.65	16.65	479294.	43.8	DRAINING	16.40

TIME FROM INITIATION OF EPS = 68.2500 HOURS

TIME FROM INITIATION OF EPS = 68.5000 HOURS

TIME FROM INITIATION OF EPS = 68.7500 HOURS

TIME FROM INITIATION OF EPS = 69.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-182.58	1145.87	10.87	159684.	30.2	DRAINING	10.68
TANK-C(1)	-454.96	1148.68	15.68	451431.	41.3	DRAINING	15.44

IE FROM INITIATION OF EPS = 69.2500 HOURS

TIME FROM INITIATION OF EPS = 69.5000 HOURS

TIME FROM INITIATION OF EPS = 69.7500 HOURS

TIME FROM INITIATION OF EPS = 70.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	-90.31	1145.11	10.11	148466.	28.1	DRAINING	10.02
TANK-C(1)	-419.73	1147.74	14.74	424395.	38.8	DRAINING	14.52

TIME FROM INITIATION OF EPS = 70.2500 HOURS

TIME FROM INITIATION OF EPS = 70.5000 HOURS

TIME FROM INITIATION OF EPS = 70.7500 HOURS

TIME FROM INITIATION OF EPS = 71.0000 HOURS

TANK-A(1)	0.00	1153.00	0.00	0.	0.0	EMPTY	0.00
TANK-B(1)	187.54	1144.69	9.69	142312.	26.9	FILLING	9.88
TANK-C(1)	-315.05	1146.89	13.89	399947.	36.6	DRAINING	13.73

****
Summary of Max/Min Node Values
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Node	MnPres	MnHead	MnHGL	MnTime	MxPres	MxHead	MxHGL	MxTime	Elevation
1	66.70	153.93	1138.93	43.75	78.19	180.44	1165.44	2.75	985.0
2	69.04	159.31	1139.31	44.25	79.10	182.54	1162.54	3.75	980.0
3	69.75	160.97	1137.97	31.75	86.28	199.12	1176.12	2.75	977.0
4	61.15	141.11	1138.11	43.75	76.74	177.09	1174.09	2.75	997.0
5	59.92	138.29	1138.29	43.75	74.58	172.12	1172.12	2.75	1000.0
6	72.75	167.89	1137.89	31.75	90.75	209.43	1179.43	2.75	970.0
7	59.76	137.90	1137.90	31.75	77.24	178.26	1178.26	2.75	1000.0
8	51.10	117.92	1137.92	31.75	68.40	157.84	1177.84	2.75	1020.0
9	72.74	167.86	1137.86	31.75	91.73	211.68	1181.68	2.75	970.0
10	59.74	137.87	1137.87	31.75	78.09	180.21	1180.21	2.75	1000.0
11	51.08	117.89	1137.89	31.75	68.67	158.46	1178.46	2.75	1020.0
12	79.22	182.81	1137.81	31.75	100.84	232.70	1187.70	2.75	955.0
13	91.36	210.84	1137.84	31.75	113.28	261.42	1188.42	2.75	927.0
14	73.57	169.79	1137.79	31.75	95.20	219.70	1187.70	2.75	968.0
15	47.27	109.09	1141.09	44.25	53.52	123.51	1155.51	4.75	1032.0
16	48.44	111.78	1139.78	44.25	56.34	130.01	1158.01	4.75	1028.0
17	68.67	158.47	1137.47	42.75	77.66	179.21	1158.21	4.75	979.0
18	58.13	134.15	1089.15	41.00	58.53	135.06	1090.06	0.00	955.0
19	60.63	139.92	1088.92	41.00	61.13	141.06	1090.06	0.00	949.0
20	94.02	216.98	1086.98	54.75	95.36	220.06	1090.06	0.00	870.0
21	86.58	199.80	1086.80	54.75	87.99	203.06	1090.06	0.00	887.0
22	86.58	199.80	1086.80	54.75	87.99	203.06	1090.06	0.00	887.0
23	90.86	209.67	1086.67	54.75	92.32	213.06	1090.06	0.00	877.0
24	90.86	209.67	1086.67	54.75	92.32	213.06	1090.06	0.00	877.0
25	93.85	216.58	1086.58	54.75	95.36	220.06	1090.06	0.00	870.0
26	93.85	216.58	1086.58	54.75	95.36	220.06	1090.06	0.00	870.0
27	66.25	152.90	1088.90	41.00	66.76	154.06	1090.06	0.00	936.0
28	70.16	161.92	1088.92	41.00	70.66	163.06	1090.06	0.00	927.0
29	80.72	186.28	1086.28	41.00	82.36	190.05	1090.05	0.00	900.0
30	81.45	187.97	1085.97	41.00	83.22	192.05	1090.05	0.00	898.0
31	69.76	160.98	1137.98	31.75	86.12	198.75	1175.75	2.75	977.0
32	91.55	211.27	1086.27	41.00	93.19	215.05	1090.05	0.00	875.0
33	61.52	141.96	1137.96	31.75	77.74	179.39	1175.39	2.75	996.0
34	63.07	145.56	1140.56	44.25	69.50	160.38	1155.38	4.75	995.0
35	81.93	189.06	1089.06	41.00	82.36	190.06	1090.06	0.00	900.0
36	65.24	150.56	1140.56	44.25	71.66	165.38	1155.38	4.75	990.0
37	64.92	149.82	1139.82	44.25	72.15	166.51	1156.51	4.75	990.0
38	66.72	153.96	1137.96	31.75	82.92	191.36	1175.36	2.75	984.0
39	66.28	152.96	1137.96	31.75	82.46	190.28	1175.28	2.75	985.0
40	63.24	145.95	1137.95	31.75	79.33	183.07	1175.07	2.75	992.0
41	65.84	151.95	1137.95	31.75	81.92	189.05	1175.05	2.75	986.0
42	64.98	149.94	1137.94	31.75	81.02	186.96	1174.96	2.75	988.0
43	61.51	141.94	1137.94	31.75	77.53	178.92	1174.92	2.75	996.0
44	72.70	167.78	1137.78	31.75	94.34	217.70	1187.70	2.75	970.0
45	77.58	179.03	1089.03	41.00	78.03	180.06	1090.06	0.00	910.0
46	73.65	169.96	1137.96	31.75	90.13	208.00	1176.00	2.75	968.0
47	63.69	146.97	1137.97	31.75	79.99	184.59	1175.59	2.75	991.0
48	70.63	162.99	1137.99	31.75	86.63	199.90	1174.90	2.75	975.0
49	72.34	166.94	1086.94	54.75	73.69	170.06	1090.06	0.00	920.0
50	65.84	151.95	1137.95	31.75	81.75	188.65	1174.65	2.75	986.0
51	65.43	150.98	1085.98	41.00	67.19	155.05	1090.05	0.00	935.0
52	85.76	197.91	1137.91	31.75	104.39	240.90	1180.90	2.75	940.0
53	124.68	287.72	1085.72	41.00	126.56	292.05	1090.05	0.00	798.0
54	74.40	171.70	1085.70	41.00	76.29	176.05	1090.05	0.00	914.0
55	86.97	200.69	1085.69	41.00	88.86	205.05	1090.05	0.00	885.0
56	110.82	255.73	1085.73	41.00	112.69	260.05	1090.05	0.00	830.0
57	110.82	255.74	1085.74	41.00	112.69	260.05	1090.05	0.00	830.0
58	112.99	260.75	1085.75	41.00	114.86	265.05	1090.05	0.00	825.0
59	93.15	214.97	1134.97	30.75	105.10	242.53	1162.53	2.75	920.0
60	123.85	285.81	1085.81	41.00	125.69	290.05	1090.05	0.00	800.0
61	82.35	190.04	1086.04	41.00	84.09	194.05	1090.05	0.00	896.0
62	95.83	221.14	1086.14	41.00	97.52	225.05	1090.05	0.00	865.0

63	62.77	191.01	1086.01	6.25	84.52	195.05	1090.05	0.00	895.0
64	85.33	196.92	1085.92	6.25	87.12	201.05	1090.05	0.00	889.0
65	93.37	215.47	1088.47	41.00	94.06	217.07	1090.07	0.00	873.0
66	99.68	230.04	1135.04	30.75	111.58	257.49	1162.49	2.75	905.0
67	63.16	145.76	1137.76	31.75	77.36	178.53	1170.53	2.75	992.0
68	79.19	182.75	1137.75	31.75	92.18	212.71	1167.71	2.75	955.0
69	79.39	183.21	1138.21	31.75	79.73	184.00	1139.00	0.00	955.0
70	84.91	195.94	1135.94	30.75	99.04	228.56	1168.56	2.75	940.0
71	86.98	200.72	1135.72	30.75	100.59	232.14	1167.14	2.75	935.0
72	80.37	185.46	1135.46	30.75	94.61	218.33	1168.33	2.75	950.0
73	88.86	205.06	1135.06	30.75	103.13	238.00	1168.00	2.75	930.0
74	84.56	195.13	1135.13	30.75	98.84	228.08	1168.08	2.75	940.0
75	84.47	194.94	1134.94	30.75	98.64	227.64	1167.64	2.75	940.0
76	67.54	155.87	1135.87	30.75	81.15	187.27	1167.27	2.75	980.0
77	71.49	164.99	1134.99	30.75	85.48	197.27	1167.27	2.75	970.0
78	87.03	200.85	1128.85	30.75	103.67	239.24	1167.24	2.75	928.0
79	92.58	213.64	1128.64	30.75	109.31	252.24	1167.24	2.75	915.0
80	81.28	187.56	1134.56	30.75	93.88	216.66	1163.66	2.75	947.0
81	74.94	172.94	1137.94	31.75	91.73	211.68	1176.68	2.75	965.0
82	71.13	164.16	1086.16	41.00	72.82	168.05	1090.05	0.00	922.0
83	74.99	173.06	1086.06	41.00	76.72	177.05	1090.05	0.00	913.0
84	81.43	187.93	1137.93	31.75	98.93	228.30	1178.30	2.75	950.0
85	72.77	167.93	1137.93	31.75	90.01	207.72	1177.72	2.75	970.0
86	87.32	201.52	1136.52	30.75	100.68	232.34	1167.34	2.75	935.0
87	64.09	147.91	1137.91	31.75	79.95	184.49	1174.49	2.75	990.0
88	61.96	142.97	1137.97	31.75	77.91	179.79	1174.79	2.75	995.0
89	58.43	134.84	1139.84	44.25	66.40	153.23	1158.23	5.00	1005.0
90	72.70	167.77	1137.77	31.75	85.42	197.11	1167.11	2.75	970.0
91	58.92	135.97	1085.97	41.00	60.69	140.05	1090.05	0.00	950.0
92	74.94	172.94	1137.94	31.75	91.71	211.63	1176.63	2.75	965.0
93	58.05	133.97	1085.97	41.00	59.82	138.05	1090.05	0.00	952.0
94	74.92	172.90	1135.90	30.75	88.47	204.17	1167.17	2.75	963.0
95	63.23	145.92	1135.92	30.75	76.81	177.25	1167.25	2.75	990.0
96	46.28	106.80	1139.80	44.25	54.07	124.78	1157.78	4.75	1033.0
97	77.70	179.32	1137.32	30.75	92.13	212.61	1170.61	2.75	958.0
98	55.42	127.90	1137.90	31.75	72.89	168.20	1178.20	2.75	1010.0
99	55.42	127.88	1137.88	31.75	73.11	168.71	1178.71	2.75	1010.0
100	51.08	117.89	1137.89	31.75	68.67	158.46	1178.46	2.75	1020.0
101	64.07	147.85	1137.85	31.75	83.10	191.76	1181.76	2.75	990.0
102	70.57	162.85	1137.85	31.75	90.28	208.34	1183.34	2.75	975.0
103	74.91	172.86	1137.86	31.75	93.89	216.68	1181.68	2.75	965.0
104	58.48	134.95	1137.95	31.75	74.48	171.87	1174.87	2.75	1003.0
105	52.85	121.96	1137.96	31.75	68.86	158.90	1174.90	2.75	1016.0
106	64.13	147.98	1137.98	31.75	80.30	185.31	1175.31	2.75	990.0
107	81.41	187.88	1137.88	31.75	104.34	240.79	1190.79	2.75	950.0
108	71.95	166.03	1138.03	43.75	87.92	202.89	1174.89	2.75	972.0
109	103.95	239.89	1134.89	30.75	115.92	267.51	1162.51	2.75	895.0
110	99.62	229.89	1134.89	30.75	111.59	257.51	1162.51	2.75	905.0
111	92.28	212.96	1134.96	30.75	104.23	240.52	1162.52	2.75	922.0
112	88.40	204.01	1135.01	30.75	100.33	231.53	1162.53	2.75	931.0
113	86.69	200.05	1135.05	30.75	98.61	227.56	1162.56	2.75	935.0
114	81.03	186.99	1134.99	30.75	92.98	214.56	1162.56	2.75	948.0
115	81.16	187.30	1137.30	42.75	89.91	207.49	1157.49	4.75	950.0
116	76.58	176.73	1137.73	31.75	89.56	206.67	1167.67	2.75	961.0
117	81.00	186.92	1136.92	30.75	94.32	217.67	1167.67	2.75	950.0
118	80.99	186.90	1136.90	30.75	94.26	217.52	1167.52	2.75	950.0
119	80.81	186.49	1136.49	30.75	94.03	216.99	1166.99	2.75	950.0
120	80.88	186.63	1086.63	54.75	82.36	190.06	1090.06	0.00	900.0
121	81.54	188.17	1138.17	31.75	97.51	225.02	1175.02	2.75	950.0
122	69.22	159.75	1139.75	44.25	77.14	178.01	1158.01	4.75	980.0
123	82.08	189.42	1139.42	44.25	90.03	207.75	1157.75	4.75	950.0
124	60.54	139.71	1139.71	44.25	67.92	156.75	1156.75	4.75	1000.0
125	85.47	197.23	1137.23	42.75	94.22	217.44	1157.44	4.75	940.0
126	72.44	167.18	1137.18	42.75	81.25	187.49	1157.49	4.75	970.0
127	81.12	187.21	1137.21	42.75	89.91	207.49	1157.49	4.75	950.0
128	79.37	183.17	1138.17	31.75	95.34	220.02	1175.02	2.75	955.0
129	65.42	150.97	1085.97	41.00	67.19	155.05	1090.05	0.00	935.0
130	84.92	195.97	1085.97	41.00	86.69	200.05	1090.05	0.00	890.0
131	65.42	150.97	1085.97	41.00	67.19	155.05	1090.05	0.00	935.0
132	110.82	255.73	1085.73	41.00	112.69	260.05	1090.05	0.00	830.0
133	119.62	276.04	1086.04	41.00	121.36	280.05	1090.05	0.00	810.0
134	87.06	200.91	1085.91	41.00	88.86	205.05	1090.05	0.00	885.0
135	70.64	163.02	1138.02	31.75	86.68	200.03	1175.03	2.75	975.0

136	79.10	182.67	1137.67	31.75	92.10	212.54	1167.54	2.75	955.0
137	51.98	119.96	1089.96	41.00	52.03	120.07	1090.07	0.00	970.0
138	72.85	168.11	1138.11	31.75	88.84	205.03	1175.03	2.75	970.0
139	72.77	167.93	1137.93	31.75	90.25	208.28	1178.28	2.75	970.0
140	74.93	172.93	1137.93	31.75	92.66	213.83	1178.83	2.75	965.0
141	102.22	235.89	1085.89	41.00	104.02	240.05	1090.05	0.00	850.0
142	87.06	200.91	1085.91	41.00	88.86	205.05	1090.05	0.00	885.0
143	77.65	179.19	1137.19	42.75	86.45	199.49	1157.49	4.75	958.0
144	87.05	200.88	1085.88	41.00	88.86	205.05	1090.05	0.00	885.0
145	77.04	177.79	1137.79	31.75	98.67	227.70	1187.70	2.75	960.0
146	87.87	202.78	1137.78	31.75	109.50	252.70	1187.70	2.75	935.0
147	85.70	197.78	1137.78	31.75	107.34	247.70	1187.70	2.75	940.0
148	81.37	187.78	1137.78	31.75	103.00	237.70	1187.70	2.75	950.0
149	64.54	148.94	1088.94	41.00	65.03	150.06	1090.06	0.00	940.0
150	69.79	161.06	1086.06	41.00	71.52	165.05	1090.05	0.00	925.0
151	80.20	185.07	1086.07	41.00	81.92	189.05	1090.05	0.00	901.0
152	69.99	161.52	1088.52	41.00	70.66	163.06	1090.06	0.00	927.0
153	70.00	161.55	1088.55	41.00	70.66	163.06	1090.06	0.00	927.0
154	80.36	185.45	1135.45	30.75	94.61	218.33	1168.33	2.75	950.0
155	72.44	167.18	1137.18	42.75	81.25	187.49	1157.49	4.75	970.0
156	102.73	237.07	1135.07	30.75	114.65	264.57	1162.57	2.75	898.0
157	106.55	245.89	1085.89	6.25	108.36	250.05	1090.05	0.00	840.0
158	59.78	137.96	1137.96	31.75	75.42	174.05	1174.05	2.75	1000.0
159	84.46	194.90	1134.90	30.75	98.64	227.64	1167.64	2.75	940.0
160	82.60	190.62	1131.62	30.75	98.04	226.25	1167.25	2.75	941.0
161	96.99	223.82	1128.82	30.75	113.64	262.24	1167.24	2.75	905.0
162	70.49	162.68	1137.68	31.75	83.39	192.44	1167.44	2.75	975.0
163	76.98	177.65	1137.65	31.75	89.93	207.53	1167.53	2.75	960.0
164	77.83	179.61	1137.61	30.75	90.80	209.53	1167.53	2.75	958.0
165	71.87	165.86	1137.86	31.75	83.83	193.44	1165.44	2.75	972.0
166	64.87	149.70	1139.70	44.25	72.26	166.74	1156.74	4.75	990.0
167	63.64	146.86	1141.86	44.25	69.29	159.90	1154.90	59.00	995.0
168	90.76	209.46	1089.46	6.00	91.03	210.07	1090.07	0.00	880.0
169	90.73	209.38	1089.38	6.00	91.03	210.07	1090.07	0.00	880.0
170	105.79	244.14	1134.14	30.75	118.08	272.50	1162.50	2.75	890.0
171	105.85	244.27	1134.27	30.75	118.08	272.50	1162.50	2.75	890.0
172	51.89	119.75	1139.75	44.25	59.75	137.88	1157.88	4.75	1020.0
173	120.81	278.80	1128.80	30.75	137.47	317.24	1167.24	2.75	850.0
174	66.27	152.94	1137.94	31.75	82.35	190.04	1175.04	2.75	985.0
175	83.61	192.94	1137.94	31.75	99.93	230.62	1175.62	2.75	945.0
176	72.77	167.94	1137.94	31.75	89.09	205.59	1175.59	2.75	970.0
177	81.44	187.94	1137.94	31.75	97.69	225.44	1175.44	2.75	950.0
178	112.08	258.65	1133.65	30.75	124.58	287.50	1162.50	2.75	875.0
179	105.53	243.53	1134.53	30.75	118.04	272.40	1163.40	2.75	891.0
180	92.96	214.52	1134.52	30.75	105.41	243.25	1163.25	2.75	920.0
181	101.38	233.95	1128.95	30.75	117.97	272.24	1167.24	2.75	895.0
182	92.71	213.95	1128.95	30.75	109.31	252.24	1167.24	2.75	915.0
183	70.61	162.94	1137.94	31.75	86.86	200.44	1175.44	2.75	975.0
184	77.11	177.94	1137.94	31.75	93.27	215.23	1175.23	2.75	960.0
185	75.77	174.85	1137.85	31.75	87.80	202.61	1165.61	2.75	963.0
186	90.79	209.52	1134.52	30.75	103.20	238.15	1163.15	2.75	925.0
187	90.69	209.29	1134.29	30.75	103.20	238.15	1163.15	2.75	925.0
188	79.21	182.79	1137.79	31.75	100.84	232.70	1187.70	2.75	955.0
189	57.65	133.03	1138.03	43.75	73.33	169.21	1174.21	2.75	1005.0
190	61.24	141.33	1139.33	44.25	71.09	164.06	1162.06	3.75	998.0
191	66.30	152.99	1137.99	31.75	82.03	189.30	1174.30	2.75	985.0
192	48.27	111.40	1139.40	44.25	57.25	132.12	1160.12	4.75	1028.0
193	103.82	239.59	1089.59	6.00	104.03	240.07	1090.07	0.00	850.0
194	71.92	165.97	1085.97	41.00	73.69	170.05	1090.05	0.00	920.0
195	81.54	188.16	1086.16	41.00	83.22	192.05	1090.05	0.00	898.0
196	76.37	176.24	1086.24	41.00	78.02	180.05	1090.05	0.00	910.0
197	58.48	134.95	1137.95	31.75	74.20	171.24	1174.24	2.75	1003.0
198	70.59	162.89	1137.89	31.75	86.19	198.91	1173.91	2.75	975.0
199	66.28	152.95	1137.95	31.75	81.97	189.17	1174.17	2.75	985.0
200	51.98	119.96	1089.96	41.00	52.03	120.07	1090.07	0.00	970.0
201	93.17	215.01	1090.01	6.00	93.20	215.08	1090.08	0.00	875.0
202	68.44	157.95	1137.95	31.75	84.14	194.17	1174.17	2.75	980.0
203	93.58	215.95	1085.95	6.25	95.36	220.05	1090.05	0.00	870.0
204	102.26	235.97	1085.97	54.75	104.02	240.05	1090.05	0.00	850.0
205	102.25	235.95	1085.95	6.25	104.02	240.05	1090.05	0.00	850.0
206	106.58	245.95	1085.95	54.75	108.36	250.05	1090.05	0.00	840.0
207	68.87	158.93	1138.93	43.75	78.84	181.95	1161.95	3.75	980.0
208	64.08	147.88	1137.88	31.75	88.91	205.17	1195.17	2.75	990.0

209	52.75	121.66	1111.66	44.25	74.92	172.89	1162.89	57.00	990.0
210	77.14	178.01	1138.01	43.75	93.30	215.30	1175.30	2.75	960.0
211	55.86	128.91	1138.91	43.75	66.38	153.19	1163.19	3.75	1010.0
212	77.53	178.91	1138.91	43.75	88.60	204.47	1164.47	2.75	960.0
213	97.96	226.07	1086.07	41.00	99.69	230.05	1090.05	0.00	860.0
214	72.41	167.10	1086.10	41.00	74.12	171.05	1090.05	0.00	919.0
215	76.30	176.09	1086.09	41.00	78.02	180.05	1090.05	0.00	910.0
216	66.98	154.56	1089.56	41.00	67.20	155.07	1090.07	0.00	935.0
217	56.24	129.78	1089.78	6.00	56.36	130.07	1090.07	0.00	960.0
218	73.53	169.68	1089.68	41.00	73.70	170.07	1090.07	0.00	920.0
219	68.70	158.53	1138.53	43.75	79.25	182.89	1162.89	3.75	980.0
220	72.88	168.19	1138.19	43.75	84.07	194.00	1164.00	2.75	970.0
221	70.28	162.19	1138.19	43.75	81.47	188.00	1164.00	2.75	976.0
222	66.27	152.93	1137.93	31.75	82.32	189.96	1174.96	2.75	985.0
223	70.60	162.93	1137.93	31.75	86.75	200.20	1175.20	2.75	975.0
224	68.44	157.94	1137.94	31.75	84.72	195.52	1175.52	2.75	980.0
225	71.93	165.98	1085.98	6.25	73.69	170.05	1090.05	0.00	920.0
226	87.08	200.95	1085.95	6.25	88.86	205.05	1090.05	0.00	885.0
227	84.93	195.99	1085.99	41.00	86.69	200.05	1090.05	0.00	890.0
228	73.11	168.71	1089.71	6.00	73.26	169.07	1090.07	0.00	921.0
229	93.60	215.99	1085.99	41.00	95.36	220.05	1090.05	0.00	870.0
230	91.65	211.51	1086.51	54.75	93.19	215.06	1090.06	0.00	875.0
231	80.08	184.81	1089.81	6.00	80.20	185.07	1090.07	0.00	905.0
232	93.03	214.69	1085.69	41.00	94.92	219.05	1090.05	0.00	871.0
233	63.13	145.69	1085.69	41.00	65.02	150.05	1090.05	0.00	940.0
234	82.06	189.37	1139.37	44.25	90.02	207.75	1157.75	4.75	950.0
235	82.41	190.17	1135.17	30.75	96.68	223.11	1168.11	2.75	945.0
236	86.73	200.15	1135.15	30.75	101.01	233.10	1168.10	2.75	935.0
237	74.76	172.53	1137.53	30.75	89.79	207.21	1172.21	2.75	965.0
238	46.71	107.79	1137.79	31.75	68.34	157.70	1187.70	2.75	1030.0
239	77.08	177.88	1137.88	31.75	97.77	225.61	1185.61	2.75	960.0
240	70.57	162.85	1137.85	31.75	90.87	209.71	1184.71	2.75	975.0
241	68.97	159.17	1139.17	43.75	76.85	177.35	1157.35	4.75	980.0
242	90.75	209.42	1139.42	44.25	98.51	227.33	1157.33	4.75	930.0
243	69.17	159.62	1139.62	44.25	76.67	176.94	1156.94	4.75	980.0
244	77.43	178.68	1128.68	30.75	94.14	217.24	1167.24	2.75	950.0
245	90.71	209.32	1139.32	44.25	98.51	227.34	1157.34	4.75	930.0
248	58.84	135.79	1137.79	31.75	80.47	185.70	1187.70	2.75	1002.0
250	60.20	138.91	1138.91	43.75	70.33	162.30	1162.30	3.75	1000.0
251	68.70	158.53	1138.53	43.75	79.26	182.91	1162.91	3.75	980.0
252	51.68	119.27	1139.27	44.25	61.33	141.52	1161.52	4.75	1020.0
253	51.91	119.78	1139.78	44.25	59.84	138.10	1158.10	5.00	1020.0
254	64.50	148.85	1137.85	31.75	79.99	184.58	1173.58	2.75	989.0
255	66.66	153.83	1137.83	31.75	82.01	189.25	1173.25	2.75	984.0
256	68.39	157.83	1137.83	31.75	83.74	193.25	1173.25	2.75	980.0
257	68.40	157.85	1137.85	31.75	83.89	193.60	1173.60	2.75	980.0
258	58.44	134.85	1137.85	31.75	73.93	170.60	1173.60	2.75	1003.0
259	72.74	167.85	1137.85	31.75	88.23	203.61	1173.61	2.75	970.0
260	72.74	167.85	1137.85	31.75	88.23	203.62	1173.62	2.75	970.0
261	87.89	202.82	1137.82	31.75	103.06	237.83	1172.83	2.75	935.0
262	67.04	154.71	1089.71	42.75	67.20	155.07	1090.07	0.00	935.0
263	69.22	159.73	1089.73	42.75	69.36	160.07	1090.07	0.00	930.0
264	67.04	154.72	1089.72	42.75	67.20	155.07	1090.07	0.00	935.0
265	84.45	194.90	1089.90	6.00	84.53	195.07	1090.07	0.00	895.0
266	81.35	187.73	1137.73	30.75	97.05	223.96	1173.96	2.75	950.0
267	101.69	234.67	1089.67	6.00	101.87	235.07	1090.07	0.00	855.0
268	114.56	264.37	1089.37	6.00	114.86	265.07	1090.07	0.00	825.0
269	101.58	234.42	1089.42	6.00	101.86	235.07	1090.07	0.00	855.0
270	82.09	189.44	1089.44	6.00	82.36	190.07	1090.07	0.00	900.0
271	90.76	209.45	1089.45	6.00	91.03	210.07	1090.07	0.00	880.0
272	101.62	234.52	1089.52	6.00	101.86	235.07	1090.07	0.00	855.0
273	85.65	197.65	1137.65	30.75	100.92	232.89	1172.89	2.75	940.0
274	83.09	191.75	1137.75	31.75	98.41	227.10	1173.10	2.75	946.0
275	80.06	184.75	1137.75	31.75	95.38	220.10	1173.10	2.75	953.0
276	116.78	269.49	1089.49	6.00	117.03	270.07	1090.07	0.00	820.0
277	96.69	223.12	1086.12	54.75	98.39	227.05	1090.05	0.00	863.0
278	108.78	251.04	1086.04	54.75	110.52	255.05	1090.05	0.00	835.0
279	115.27	266.00	1086.00	54.75	117.02	270.05	1090.05	0.00	820.0
280	110.95	256.03	1086.03	54.75	112.69	260.05	1090.05	0.00	830.0
281	110.95	256.03	1086.03	54.75	112.69	260.05	1090.05	0.00	830.0
282	71.96	166.06	1086.06	41.00	73.69	170.05	1090.05	0.00	920.0
283	89.27	206.00	1086.00	41.00	91.02	210.05	1090.05	0.00	880.0
284	64.53	148.92	1088.92	41.00	65.03	150.06	1090.06	0.00	940.0

	[illegible]	[illegible]	[illegible]	[illegible]	41.00	65.03	130.06	1090.06	0.00 940.0
286	60.26	139.06	1089.06	41.00	60.69	140.06	1090.06	0.00	950.0
287	55.93	129.06	1089.06	41.00	56.36	130.06	1090.06	0.00	960.0
288	71.33	164.60	1089.60	41.00	71.53	165.07	1090.07	0.00	925.0
289	92.77	214.07	1089.07	6.00	93.20	215.07	1090.07	0.00	875.0
290	52.72	121.66	1141.66	44.25	58.46	134.91	1154.91	59.001020.0	
291	54.55	125.89	1141.89	44.25	60.19	138.91	1154.91	59.001016.0	
292	75.70	174.69	1089.69	42.75	75.86	175.07	1090.07	0.00	915.0
293	64.87	149.69	1089.69	41.00	65.03	150.07	1090.07	0.00	940.0
294	82.19	189.68	1089.68	41.00	82.36	190.07	1090.07	0.00	900.0
295	59.24	136.70	1089.70	42.75	59.40	137.07	1090.07	0.00	953.0
296	81.35	187.73	1137.73	30.75	97.05	223.96	1173.96	2.75	950.0
297	80.04	184.71	1089.71	42.75	80.20	185.07	1090.07	0.00	905.0
298	64.01	147.72	1137.72	30.75	79.65	183.82	1173.82	2.75	990.0
299	79.19	182.74	1137.74	31.75	94.92	219.04	1174.04	2.75	955.0
300	56.71	130.88	1137.88	31.75	72.67	167.70	1174.70	2.751007.0	
301	65.74	151.72	1137.72	30.75	81.37	187.77	1173.77	2.75	986.0
302	81.39	187.82	1137.82	31.75	102.76	237.14	1187.14	2.75	950.0
303	81.39	187.82	1137.82	31.75	102.49	236.51	1186.51	2.75	950.0
304	70.56	162.84	1137.84	31.75	90.89	209.75	1184.75	2.75	975.0
305	70.12	161.82	1137.82	31.75	90.86	209.68	1185.68	2.75	976.0
306	68.39	157.82	1137.82	31.75	89.44	206.40	1186.40	2.75	980.0
307	81.39	187.82	1137.82	31.75	102.08	235.56	1185.56	2.75	950.0
308	70.56	162.82	1137.82	31.75	91.63	211.45	1186.45	2.75	975.0
309	81.39	187.82	1137.82	31.75	102.38	236.26	1186.26	2.75	950.0
310	106.59	245.97	1085.97	54.75	108.36	250.05	1090.05	0.00	840.0
311	77.06	177.82	1137.82	31.75	92.28	212.96	1172.96	2.75	960.0
312	103.92	239.82	1134.82	30.75	115.92	267.51	1162.51	2.75	895.0
313	97.45	224.88	1134.88	30.75	109.42	252.51	1162.51	2.75	910.0
314	81.43	187.91	1137.91	43.75	92.97	214.55	1164.55	2.75	950.0
315	91.86	211.99	1134.99	30.75	103.84	239.64	1162.64	2.75	923.0
316	97.12	224.13	1135.13	30.75	109.05	251.64	1162.64	2.75	911.0
317	99.21	228.95	1085.95	6.25	100.99	233.05	1090.05	0.00	857.0
318	119.58	275.95	1085.95	6.25	121.36	280.05	1090.05	0.00	810.0
319	88.83	204.99	1134.99	30.75	100.77	232.54	1162.54	2.75	930.0
320	95.30	219.93	1134.93	30.75	107.26	247.51	1162.51	2.75	915.0
321	71.80	165.69	1085.69	41.00	73.69	170.05	1090.05	0.00	920.0
322	147.63	340.69	1085.69	41.00	149.52	345.05	1090.05	0.00	745.0
323	119.47	275.71	1085.71	41.00	121.36	280.05	1090.05	0.00	810.0
324	102.13	235.69	1085.69	41.00	104.02	240.05	1090.05	0.00	850.0
325	72.18	166.58	1086.58	54.75	73.69	170.06	1090.06	0.00	920.0
326	89.82	207.28	1137.28	42.75	98.56	227.44	1157.44	4.75	930.0
327	93.49	215.74	1085.74	41.00	95.36	220.05	1090.05	0.00	870.0
328	103.97	239.93	1134.93	30.75	115.92	267.51	1162.51	2.75	895.0
329	72.46	167.20	1137.20	42.75	81.25	187.49	1157.49	4.75	970.0
330	82.06	189.37	1139.37	44.25	90.02	207.75	1157.75	4.75	950.0
331	77.75	179.42	1137.42	42.75	86.70	200.09	1158.09	4.75	958.0
332	66.95	154.49	1139.49	44.25	74.96	172.98	1157.98	4.75	985.0
333	61.84	142.71	1140.71	44.25	68.93	159.07	1157.07	4.75	998.0
334	69.03	159.31	1139.31	44.25	79.12	182.58	1162.58	3.75	980.0
338	61.19	141.20	1141.20	44.25	67.31	155.32	1155.32	4.751000.0	
339	61.22	141.28	1141.28	44.25	67.24	155.17	1155.17	4.751000.0	
O-AV-1	47.27	109.09	1141.09	44.25	53.43	123.31	1155.31	5.001032.0	
FGN-BB	79.73	184.00	1139.00	0.00	79.73	184.00	1139.00	0.00	955.0
I-Pump-1	52.63	121.46	1111.46	44.25	74.92	172.89	1162.89	57.00	990.0
I-Pump-2	52.73	121.68	1111.68	44.25	74.92	172.89	1162.89	57.00	990.0
R-1	55.03	127.00	1112.00	19.00	77.13	178.00	1163.00	9.00	985.0
I-RV-1	92.84	214.24	1134.24	30.75	105.36	243.15	1163.15	2.75	920.0
I-RV-2	106.02	244.66	1134.66	42.75	115.69	266.97	1156.97	4.75	890.0
I-RV-R1	112.08	258.65	1133.65	30.75	124.58	287.50	1162.50	2.75	875.0
I-RV-R2	72.44	167.18	1137.18	42.75	81.25	187.49	1157.49	4.75	970.0
TANK-A	49.87	115.09	1141.09	44.25	56.03	129.29	1155.29	5.001026.0	
TANK-B	54.10	124.86	1139.86	44.25	62.07	143.23	1158.23	5.001015.0	
TANK-C	50.70	116.99	1141.99	44.25	56.29	129.91	1154.91	59.001025.0	
O-Pump-1	64.08	147.88	1137.88	31.75	89.09	205.60	1195.60	2.75	990.0
O-Pump-2	64.08	147.88	1137.88	31.75	88.91	205.17	1195.17	2.75	990.0
-AV-1	47.27	109.09	1141.09	44.25	53.51	123.49	1155.49	4.751032.0	
O-RV-R1	93.20	215.08	1090.08	0.00	93.20	215.08	1090.08	0.00	875.0
O-RV-R2	52.00	120.00	1090.00	4.00	52.03	120.07	1090.07	0.00	970.0
O-RV-1	73.60	169.85	1089.85	5.00	73.70	170.07	1090.07	0.00	920.0
O-RV-2	86.70	200.08	1090.08	0.00	86.70	200.08	1090.08	0.00	890.0