



Control Number: 49189



Item Number: 189

Addendum StartPage: 0

PUC DOCKET NO. 49189
SOAH DOCKET NO. 473-19-6297.WS

RECEIVED

2019 NOV 15 PM 2:32

APPLICATION OF THE CITY OF	§	BEFORE THE STATE OFFICE
AUSTIN FOR AUTHORITY TO	§	
CHANGE THE WATER AND	§	
WASTEWATER RATES FOR NORTH	§	
AUSTIN MUNICIPAL UTILITY	§	
DISTRICT NO. 1, NORTHTOWN	§	
MUNICIPAL UTILITY DISTRICT,	§	OF
TRAVIS COUNTY WATER CONTROL	§	
AND IMPROVEMENT DISTRICT NO.	§	
10, AND WELLS BRANCH	§	
MUNICIPAL UTILITY DISTRICT IN	§	
WILLIAMSON AND TRAVIS	§	
COUNTIES	§	ADMINISTRATIVE HEARINGS

**SUPPLEMENTAL RESPONSES OF NORTH AUSTIN MUNICIPAL UTILITY
DISTRICT NO. 1, NORTHTOWN MUNICIPAL UTILITY DISTRICT, TRAVIS
COUNTY WATER CONTROL & IMPROVEMENT DISTRICT NO. 10, AND WELLS
BRANCH MUNICIPAL UTILITY DISTRICT TO CITY OF AUSTIN D/B/A
AUSTIN WATER'S FIRST REQUEST FOR INFORMATION TO DISTRICTS**

COME NOW, North Austin Municipal Utility District No. 1, Northtown Municipal Utility District, Travis County Water Control & Improvement District No. 10, and Wells Branch Municipal Utility District (collectively, the "Districts") and file these Supplemental Responses to the City of Austin d/b/a Austin Water's First Request for Information to Districts, which were received on November 8, 2019. Pursuant to SOAH Order No. 9, the Districts' objections and responses to discovery requests were filed timely within five calendar days from receipt on November 13, 2019.¹ Pursuant to 16 TAC § 22.144(i), the Districts' supplement those responses accordingly.

¹ See SOAH Order No. 9 Memorializing Second Prehearing Conference; Adopting Second Revised Procedural Schedule at 3 (Oct. 23, 2019).

189

Respectfully submitted,

By: 
John J. Carlton

Randall B. Wilburn
State Bar No. 24033342
Helen S. Gilbert
State Bar No. 00786263
GILBERT WILBURN PLLC
7000 North MoPac Blvd., Suite 200
Austin, Texas 78731
Telephone: (512) 535-1661
Facsimile: (512) 535-1678

John J. Carlton
State Bar No. 03817600
Kelli A. N. Carlton
State Bar No. 15091175
THE CARLTON LAW FIRM, P.L.L.C.
4301 Westbank Drive, Suite B-130
Austin, Texas 78746
Telephone: (512) 614-0901
Facsimile: (512) 900-2855

ATTORNEYS FOR DISTRICTS

CERTIFICATE OF SERVICE

I hereby certify that I have served or will serve a true and correct copy of the foregoing document via hand delivery, facsimile, electronic mail, overnight mail, U.S. mail and/or Certified Mail Return Receipt Requested to all parties on this the 15th day of November 2019.


John Carlton

**SOAH DOCKET NO. 473-19-6297.WS
PUC DOCKET NO. 49189**

**DISTRICTS' SUPPLEMENTAL RESPONSES TO CITY OF AUSTIN D/B/A
AUSTIN WATER'S FIRST REQUEST FOR INFORMATION TO DISTRICTS**

AW 1-1. Please provide the following information for any testifying expert:

- a. All documents, tangible things, reports, models, or data compilations that have been reviewed by the expert in anticipation of the expert's testimony. For the rate filing package filed by Austin Water in this proceeding, do not provide the documents but instead list the portions of the rate filing package (including any updates) reviewed by the witness, including the specific pages reviewed (provide Bates Stamp numbers). For discovery responses that have been provided by Austin Water in this proceeding, do not provide the documents but instead list the discovery response, including the specific pages reviewed by the witness (provide Bates Stamp numbers);
- b. All documents, tangible things, reports, models, or data compilations that have been provided by or for the expert in anticipation of the expert's testimony. For the rate filing package filed by Austin Water in this proceeding, do not provide the documents but instead list the portions of the rate filing package (including any updates) provided to the witness, including the specific pages provided (provide Bates Stamp numbers). For discovery responses that have been provided by Austin Water in this proceeding, do not provide the documents but instead list the discovery response, including the specific pages provided to the witness (provide Bates Stamp numbers); and
- c. The expert's current resume and bibliography.

OBJECTION: a. The Districts object to this request on the following independent bases: the requests are unduly burdensome because they are unreasonably cumulative or duplicative of prefiled testimony already provided (*Walker v. Packer*, 827 S.W.2d 833, 843 (Tex. 1992)) and information requested is obtainable from other sources (i.e., prefiled testimony) that are more convenient, less burdensome and less expensive (*Brewer & Pritchard, P.C. v. Johnson*, 167 S.W.3d 460, 466 (Tex. App. – Houston [14th Dist.] 2005, pet. denied)). Each expert testifies specifically in his prefiled testimony exactly what he reviewed and relied upon. In Mr. Joyce's case, he has reviewed dozens of City-produced documents (all identified in his testimony and exhibits attached thereto) over multiple years. It would be impossible to cite each specific bates-stamped page of those documents, assuming there is bates-stamping, or return the City's own documents back to the City.

RESPONSE: a. Notwithstanding the foregoing and without waiving the objection, the Districts answer as follows: please see responsive information to AWU 1-1(a), produced as DIST011 to DIST056 on November 13, 2019, and p. 9, lines 1-13 of the Direct Testimony of Jay Joyce. Mr. Joyce also reviewed: 1) the native files that accompanied AWU's Rate Filing Package but did not contain Bates numbers; 2) most of AWU's responses to PUC Staff's discovery requests; 3) most of the native files that accompanied AWU's discovery responses but did not contain Bates numbers; and, 4) AWU's errata filing and the accompanying native files that did not contain Bates numbers.

Mr. Malish reviewed: 1) the Direct Testimony of Stephen J. Coonan and David Anders in this docket; 2) the Direct Testimony of Teresa Lutes in PUC Docket No. 42857; 3) Austin Water Utility Profile and Water Conservation Plan for Municipal and Wholesale Water Use (May 1, 2019); 4) City of Austin Water Audit Reports to the Texas Water Development Board ("TWDB") from 2014 to 2018; 5) TWDB, Water Loss Audit Manual for Texas Utilities, Report 367 (March 2008); 6) Historical Water Purchase and Use records for Northtown Municipal Utility District for fiscal years 2009-2019; 7) Historical Water Purchase and Use records for North Austin Municipal Utility District No. 1 for fiscal years 1995-2019; 8) Historical Water Purchase and Use records for Wells Branch Municipal Utility District for fiscal years 2006-2019; 8) Historical Water Purchase and Use records for Travis County Water Control and Improvement District No. 10 for fiscal years 2005-2019; 9) AWU Website: <https://data.austintexas.gov/Utilities-and-City-Services/Austin-Water-Gallons-of-Water-Pumped-per-Capita/wfm8-s7zc/data>; and, 10) Travis County WCID No 10's Red Bud Pump Station Pressure Readings from January 2014 through September 2019.

SUPPLEMENTAL RESPONSE:

a. Notwithstanding the foregoing and without waiving the objection, the Districts answer as follows: please see supplemental responsive information to AWU 1-1(a) attached hereto.

OBJECTION: b. The Districts object to this request on the following independent bases: the requests are unduly burdensome because they are unreasonably cumulative or duplicative of prefiled testimony already provided (*Walker v. Packer*, 827 S.W.2d 833, 843 (Tex. 1992)) and information requested is obtainable from other sources (i.e., prefiled testimony) that are more convenient, less burdensome and less expensive (*Brewer & Pritchard, P.C. v. Johnson*, 167 S.W.3d 460, 466 (Tex. App. – Houston [14th Dist.] 2005, pet. denied)). Each expert testifies specifically in his prefiled testimony exactly what he reviewed and relied upon. In Mr. Joyce’s case, he has reviewed dozens of City-produced documents (all identified in his testimony and exhibits attached thereto) over multiple years. It would be impossible to cite each specific date-stamped page of those documents, assuming there is date-stamping, or return the City’s own documents back to the City.

RESPONSE: b. Notwithstanding the foregoing and without waiving the objection, the Districts answer as follows: see Response to AW 1-1(a).

SUPPLEMENTAL RESPONSE:

b. Notwithstanding the foregoing and without waiving the objection, the Districts answer as follows: please see supplemental responsive information to AWU 1-1(a) attached hereto.

RESPONSE: c. See Direct Testimony of Jay Joyce, Exhibit JJJ-1 at 46-56 and Direct Testimony of David Malish, P.E., Exhibit DM-1 at 17-19.

Prepared by: Randy Wilburn

Sponsored by: Jay Joyce, David Malish, P.E.

AW 1-2. If not provided with your direct testimony in this case, please provide, in native format, all workpapers and documents supporting the testimony of each witness filing testimony on your behalf in this proceeding.

OBJECTION: The Districts object to this request on the following independent bases: the requests are unduly burdensome because they are unreasonably cumulative or duplicative of prefiled testimony already provided (*Walker v. Packer*, 827 S.W.2d 833, 843 (Tex. 1992)) and information requested is obtainable from other sources (i.e., prefiled testimony) that are more convenient, less burdensome and less expensive (*Brewer & Pritchard, P.C. v. Johnson*, 167 S.W.3d 460, 466 (Tex. App. – Houston [14th Dist.] 2005, pet. denied)). Each expert testifies specifically in his prefiled testimony exactly what documents support his testimony. In Mr. Joyce’s case, his review of dozens of City-produced documents (all identified in his testimony and exhibits attached thereto) over multiple years supports his testimony and producing the City’s own documents back to the City would be unduly burdensome and harassing.

RESPONSE: Notwithstanding the foregoing and without waiving the objection, the Districts answer as follows: see Response to AW 1-1(a).

Prepared by: Randy Wilburn

Sponsored by: Jay Joyce, David Malish, P.E.

AW 1-3. For each of your testifying experts in this case, please provide (to the extent not provided earlier):

- a. Copies of all prior testimony, articles, speeches, published materials and peer review materials written by the testifying expert, from 2013 to the present.

OBJECTION: a. The Districts object to this request on the following independent bases: testimony, articles, speeches and other published material on all non-utility cases are not relevant to the subject matter of this docket and the request seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence (*K-Mart Corp. v. Sanderson*, 937 S.W.2d 429, 431-32 (Tex. 1996); *see also* Tex. R. Civ. P. 192.3). The request is also overbroad and not properly limited in time, scope or relation to the facts at issue in this proceeding since the requests are for non-utility information over six (6) years. Finally, the request is unduly burdensome because it is unreasonably cumulative or duplicative of prefiled testimony already provided (*Walker v. Packer*, 827 S.W.2d 833, 843 (Tex. 1992)) and information requested is obtainable from other sources (i.e., prefiled testimony) that are more convenient, less burdensome and less expensive (*Brewer & Pritchard, P.C. v. Johnson*, 167 S.W.3d 460, 466 (Tex. App. – Houston [14th Dist.] 2005, pet. denied)).

RESPONSE: Notwithstanding the foregoing and without waiving the objection, the Districts answer as follows: see Response to AWU 1-3(a), produced as DISTS057 to DISTS119 on November 13, 2019. Additionally, Mr. Malish provided testimony in PUC Docket No. 42857 and in SOAH Docket No. 582-16-1492, TCEQ Docket No. 2015-1264-MWD relating to DMS Real Tree, LLC.

Prepared by: Randy Wilburn

Sponsored by: Jay Joyce, David Malish, P.E.

AW 1-4. To the extent not provided in workpapers please provide copies of any articles, publications, regulatory decisions (outside of Texas), reference material, and documents cited in testimony or footnotes. If the referenced source is a book, please provide a copy of the relevant section of the book.

OBJECTION: The Districts object to this request on the following independent bases: the request is unduly burdensome because it is unreasonably cumulative or duplicative of prefiled testimony already provided (*Walker v. Packer*, 827 S.W.2d 833, 843 (Tex. 1992)) and information requested is obtainable from other sources (i.e., prefiled testimony) that are more convenient, less burdensome and less expensive (*Brewer & Pritchard, P.C. v. Johnson*, 167 S.W.3d 460, 466 (Tex. App. – Houston [14th Dist.] 2005, pet. denied)). For example, Mr. Joyce’s references to a federal case, the City’s own application, testimony and rate models, and the AWWA M-1 manual are equally obtainable by AWU.

AW 1-5. Refer to the Direct Testimony of Jay Joyce at page 30, line 4. Please provide all calculations that support the ROE figure stated here.

RESPONSE: See Response to AWU 1-5, produced as DISTS120 on November 13, 2019.

Prepared by: Randy Wilburn

Sponsored by: Jay Joyce

AW 1-6. What debt service coverage ratio results from the Districts' recommended disallowances in this case? If the answer is other than 1.25x, explain the reason(s) for the difference.

RESPONSE: The Districts' proposed water revenue requirement for each District incorporates 1.25x coverage. The Districts' proposed wastewater revenue requirement for each District incorporates 1.25x coverage.

Prepared by: Randy Wilburn

Sponsored by: Jay Joyce

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

TRAVIS COUNTY WC&ID NO. 10

WATER LOSS CHART

September 2019

TOTAL FROM CITY OF AUSTIN 132,121,000

TOTAL CUSTOMER USAGE 106,432,100

Difference (25,688,900)

Total Flushing: 38,500

Total Unaccounted For (24,377,300)

PERCENTAGE TOTAL (GAIN) LOSS -18.45%

MONTH	BILLED BY C.O.A.	PUMPED	SOLD	OTHER	WATER LOST	ADJ	LOSS%
Dec-04		45,870,000	35,948,600	550,950	9,370,450	0	-20.43%
Jan-05		44,580,000	39,639,100	656,867	4,284,033	0	-9.61%
Feb-05		41,700,000	30,985,300	742,250	9,972,450	0	-23.91%
Mar-05		37,130,000	27,873,000	531,575	8,725,425	0	-23.50%
Apr-05		51,580,000	42,690,000	1,166,850	7,723,150	0	-14.97%
May-05		72,630,000	63,423,000	779,600	8,427,400	0	-11.60%
Jun-05		72,080,000	71,234,300	804,700	41,000	0	-0.06%
July-05		126,450,000	107,196,000	1,666,700	17,587,300	0	-13.91%
Aug-05		99,130,000	85,607,600	988,150	12,534,250	0	-12.64%
Sept-05		116,510,000	102,891,300	1,319,850	12,298,850	0	-10.56%
Oct-05		99,880,000	82,817,400	2,064,780	14,997,820	0	-15.02%
Nov-05		89,500,000	77,176,800	2,058,800	10,264,400	0	-11.47%
Dec-05		87,520,000	73,668,200	1,014,900	12,836,900	0	-14.67%
Jan-06		77,430,000	66,069,700	1,375,000	9,985,300	0	-12.90%
Feb-06		60,330,000	50,407,000	803,750	8,812,850	306,400	-14.61%
Mar-06		57,350,000	48,494,900	711,700	7,295,200	848,200	-12.72%
Apr-06		66,550,000	55,177,400	1,053,100	10,245,900	73,600	-15.40%
May-06		72,810,000	61,662,100	926,925	10,191,075	29,900	-14.00%
Jun-06		99,920,000	74,277,600	566,875	24,466,425	21,400	-25.07%
Jul-06		91,800,000	88,443,800	1,339,625	1,913,475	103,100	-2.08%
Aug-06		116,870,000	106,241,700	1,615,725	8,958,775	53,800	-7.67%
Sep-06		177,330,000	149,511,700	1,714,225	26,096,475	7,600	-14.72%
Oct-06		108,230,000	91,227,900	1,892,765	15,109,335	496	-13.96%
Nov-06		66,560,000	57,853,800	901,000	7,017,700	787,500	-10.54%
Dec-06		77,310,000	70,392,000	1,135,825	5,556,975	225,200	-7.19%
Jan-07		58,570,000	46,367,000	983,550	11,118,750	100,700	-18.98%
Feb-07		45,220,000	41,502,500	791,430	2,837,270	(3,776,300)	-14.82%
Mar-07		55,690,000	42,852,300	747,850	8,132,750	(92,000)	-21.87%
Apr-07		52,500,000	41,576,100	757,800	10,198,100	(32,000)	-19.42%
May-07		42,880,000	45,299,800	724,350	(3,144,150)	0	7.33%
Jun-07		73,280,000	48,960,300	717,550	23,362,150	240,000	-31.88%
Jul-07		51,160,000	46,381,700	794,640	3,952,560	31,100	-7.73%
Aug-07		48,750,000	39,466,000	6,121,100	3,120,500	42,400	-6.40%
Sep-07		82,130,000	69,391,400	865,945	11,859,555	13,100	-14.44%
Oct-07		79,031,000	61,513,100	1,114,400	16,334,100	69,400	-20.67%
Nov-07		90,800,000	76,755,300	1,133,875	12,815,425	95,400	-14.11%
Dec-07		74,570,000	60,777,200	780,250	12,876,250	136,300	-17.27%
Jan-08		63,250,000	49,646,100	785,600	12,654,000	164,300	-20.01%
Feb-08		46,270,000	39,638,700	723,150	5,848,250	59,900	-12.64%
Mar-08		64,370,000	52,592,300	749,975	10,897,525	130,200	-16.93%
Apr-08		47,330,000	45,499,200	941,685	791,435	97,700	-1.67%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

May-08		66,560,000	61,258,800	2,134,200	3,019,600	147,400	-4 54%
Jun-08		84,770,000	67,072,100	1,668,200	15,940,800	88,900	-18 80%
Jul-08		117,659,000	100,565,100	1,449,200	15,593,800	50,900	-13 25%
Aug-08		113,840,000	114,364,900	1,795,500	(2,465,200)	144,800	2 17%
Sep-08		103,460,000	93,974,100	1,536,910	7,939,690	9,300	-7.67%
Oct-08		123,480,000	106,387,200	1,464,400	15,628,400	0	-12 66%
Nov-08		89,390,000	80,368,500	1,097,450	7,924,050	0	-8 86%
Dec-08		78,419,000	60,854,300	1,102,800	16,385,200	76,700	-20 89%
Jan-09	61,572,600	60,400,000	56,161,700	3,225,200	316,400	696,700	-0 52%
Feb-09	56,850,400	61,070,000	52,505,200	904,800	7,127,200	532,800	-11 67%
Mar-09	69,945,900	58,930,000	51,547,400	869,800	4,145,200	2,367,600	-7 03%
Apr-09	65,825,900	69,820,000	54,584,800	854,000	14,381,200	0	-20 60%
May-09	79,097,500	62,540,000	53,795,400	1,150,550	7,594,050	0	-12 14%
Jun-09	115,052,200	91,740,000	79,952,200	1,262,575	10,477,600	59,700	-11 41%
Jul-09	126,182,800	127,580,000	108,383,200	1,543,875	(17,633,225)	(19,700)	-13 85%
Aug-09	126,364,300	147,290,000	119,533,410	2,003,025	(25,888,165)	(134,600)	-17 58%
Sep-09	75,413,600	113,170,000	123,646,400	1,376,300	(459,700)	(12,641,700)	-0 70%
Oct-09	44,739,600	49,000,000	45,352,000	879,250	(2,768,750)	0	-5 65%
Nov-09	46,743,700	43,310,000	37,019,700	671,850	(5,618,862)	(412)	-12 97%
Dec-09	41,202,100	48,971,000	39,433,100	2,531,400	(7,223,900)	(217,400)	-14 75%
Jan-10	41,705,100	40,510,000	30,197,400	703,450	(9,779,750)	(170,600)	-24 14%
Feb-10	36,523,400	38,340,000	30,970,900	681,150	(6,783,350)	(95,400)	-17 69%
Mar-10	40,569,200	32,130,000	25,680,400	664,750	(5,880,250)	(188,900)	-18 59%
Apr-10	54,964,300	50,510,000	39,349,100	876,750	(10,450,350)	(166,200)	-20 89%
May-10	74,968,200	63,980,000	51,384,100	1,343,700	(11,366,200)	(114,000)	-17 77%
Jun-10	94,198,900	81,530,000	70,746,200	964,800	(9,842,300)	(23,300)	-12 07%
Jul-10	71,266,500	81,990,000	71,578,500	1,130,100	(10,141,700)	(860,300)	-12 37%
Aug-10	118,350,000	75,830,000	71,904,000	1,203,750	(2,837,850)	(115,600)	-3 74%
Sep-10	68,153,000	123,010,000	107,001,800	1,763,200	(14,307,100)	(62,100)	-11 63%
Oct-10	70,128,200	65,560,000	54,320,300	863,400	(11,702,300)	(1,326,000)	-17 85%
Nov-10	70,550,000	78,330,000	70,164,400	1,107,800	(7,207,100)	(149,300)	-9 20%
Dec-10	73,290,300	65,580,000	59,094,000	840,140	(6,045,000)	(390,500)	-9 20%
Jan-11	59,858,200	56,380,000	48,426,000	822,570	(7,302,350)	(101,800)	-12 83%
Feb-11	45,980,500	46,110,000	38,243,200	866,340	(7,268,300)	(125,800)	-15 45%
Mar-11	53,157,100	47,410,000	37,612,700	1,061,620	(9,004,800)	(27,200)	-15 48%
Apr-11	68,411,300	73,600,000	66,324,800	1,131,700	(6,143,500)	0	-8 35%
May-11	84,760,600	91,300,000	87,048,600	1,205,900	(3,066,400)	(20,900)	-3 36%
Jun-11	102,073,900	106,290,000	92,098,300	1,427,950	(12,761,650)	2,100	-12 01%
Jul-11	110,778,800	116,540,000	107,037,100	1,873,600	(7,722,000)	(92,700)	-6 63%
Aug-11	122,527,500	123,930,000	112,817,000	1,885,200	(9,237,800)	(10,000)	-7 45%
Sep-11	119,632,800	161,720,000	142,488,500	1,649,200	(17,640,300)	(58,000)	-10 81%
Oct-11	110,358,000	107,859,000	110,349,270	1,515,400	5,048,470	(665,200)	3 10%
Nov-11	85,550,000	83,820,000	71,606,500	1,037,200	(12,267,200)	(1,090,900)	-14 64%
Dec-11	50,920,000	57,030,000	53,050,600	1,057,200	(3,141,200)	(219,000)	-5 51%
Jan-12	40,218,000	42,340,000	33,002,500	981,200	(8,389,500)	(33,200)	-19 81%
Feb-12	40,127,000	38,830,000	32,347,000	520,300	(6,045,300)	(82,600)	-15 57%
Mar-12	39,619,000	37,330,000	30,500,800	577,200	(6,323,800)	(71,800)	-16 94%
Apr-12	42,378,000	44,510,000	39,395,500	685,800	(4,589,100)	(160,400)	-10 31%
May-12	69,872,000	78,690,000	68,617,400	909,000	(9,193,300)	(29,700)	-11 68%
Jun-12	79,626,000	70,080,000	64,590,200	1,248,400	(4,362,000)	(120,600)	-6 22%
Jul-12	102,286,000	113,780,000	100,685,100	1,538,600	(11,648,500)	(92,200)	-10 24%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

Aug-12	84,441,000	93,775,000	78,090,800	1,260,000	(14,424,200)	0	-15.38%
Sep-12	118,787,000	112,256,000	102,957,100	1,554,650	(7,852,350)	(108,100)	-7.00%
Oct-12	76,947,000	71,586,000	65,678,300	1,014,900	(4,975,400)	(65,600)	-6.93%
Nov-12	70,479,000	66,011,000	59,242,900	1,302,000	(5,545,500)	(79,400)	-8.40%
Dec-12	74,486,000	68,946,000	62,777,800	1,400,000	(5,177,900)	(409,700)	-7.51%
Jan-13	58,879,000	62,846,000	52,224,200	994,500	(9,731,400)	(104,100)	-15.48%
Feb-13	48,867,000	43,526,000	38,489,700	1,162,500	(4,061,200)	(187,400)	-9.33%
Mar-13	50,416,000	49,580,000	43,022,600	796,000	(6,044,100)	(282,700)	-12.19%
Apr-13	58,914,000	57,605,000	54,076,400	790,000	(2,877,400)	(138,800)	-5.00%
May-13	57,614,000	64,736,000	54,281,000	876,000	(9,795,200)	(216,200)	-15.13%
Jun-13	68,419,000	65,758,000	59,919,600	1,067,200	(4,944,700)	(173,500)	-7.52%
Jul-13	78,012,000	90,365,000	79,341,700	1,113,500	(9,928,700)	(18,900)	-10.99%
Aug-13	100,362,000	91,569,000	81,514,300	1,481,550	(8,723,650)	(150,500)	-9.53%
Sep-13	106,952,000	109,667,000	99,470,500	1,406,100	(8,815,700)	(25,300)	-8.04%
Oct-13	80,367,000	77,921,000	73,256,200	912,700	(3,696,800)	55,300	-4.74%
Nov-13	59,777,000	53,352,000	46,349,600	637,500	(6,545,700)	(180,800)	-12.27%
Dec-13	45,959,000	43,910,000	39,792,200	634,000	(3,598,300)	(114,500)	-8.19%
Jan-14	46,099,000	46,405,000	39,005,000	795,000	(6,780,700)	(175,700)	-14.61%
Feb-14	42,699,000	43,873,000	36,619,300	484,000	(6,873,300)	(103,600)	-15.67%
Mar-14	45,120,000	44,340,000	37,520,500	643,500	(6,283,700)	(107,700)	-14.17%
Apr-14	51,126,000	55,677,000	48,018,900	786,000	(6,893,400)	(21,300)	-12.38%
May-14	66,360,000	69,227,000	62,126,900	815,700	(6,330,700)	(46,300)	-9.14%
Jun-14	68,795,000	62,896,000	57,263,000	1,020,100	(4,874,000)	(261,100)	-7.75%
Jul-14	65,064,000	73,595,000	63,526,300	985,500	(9,157,900)	(74,700)	-12.44%
Aug-14	79,988,000	75,790,000	66,776,900	1,211,400	(8,203,100)	(401,400)	-10.82%
Sep-14	107,272,000	108,908,000	97,538,500	1,174,800	(10,204,800)	(10,100)	-9.37%
Oct-14	76,921,000	66,458,000	61,178,600	771,600	(5,002,200)	(138,400)	-6.99%
Nov-14	67,586,000	70,871,000	62,382,200	649,800	(7,989,900)	(150,900)	-11.27%
Dec-14	48,096,000	47,694,000	41,820,800	530,400	(5,621,300)	(278,500)	-11.79%
Jan-15	47,244,000	48,488,000	37,110,000	613,800	(11,378,000)	(60,100)	-22.32%
Feb-15	35,587,000	35,192,000	28,259,300	446,300	(6,889,500)	(403,100)	-19.58%
Mar-15	37,482,000	37,351,000	29,795,800	631,500	(7,042,400)	(118,700)	-18.85%
Apr-15	38,889,000	45,425,000	35,510,900	416,600	(9,533,900)	(36,400)	-20.99%
May-15	47,390,000	46,755,923	39,644,500	620,000	(6,569,723)	(78,300)	-14.05%
Jun-15	43,936,000	47,393,245	34,949,700	1,078,600	(11,444,945)	(80,000)	-24.15%
Jul-15	50,172,000	51,822,494	44,060,500	996,600	(6,826,394)	(61,000)	-13.17%
Aug-15	61,154,000	64,401,319	90,739,700	1,040,500	27,378,881	0	42.51%
Sep-15	97,215,300	108,023,351	103,946,100	1,435,300	(2,659,954)	(18,000)	-2.46%
Oct-15	96,608,300	98,698,264	87,936,100	1,137,100	(9,642,764)	(17,700)	-9.77%
Nov-15	58,282,700	58,338,306	66,567,000	1,582,400	9,529,594	(281,500)	16.34%
Dec-15	43,182,000	39,267,000	36,302,100	766,473	(2,293,827)	(95,400)	-5.84%
Jan-16	47,733,000	44,607,000	37,311,200	1,631,400	(5,829,000)	(164,600)	-13.07%
Feb-16	40,810,000	42,221,000	34,917,900	531,400	(6,865,300)	(93,600)	-16.26%
Mar-16	55,477,000	59,374,000	44,712,700	1,693,000	(13,012,300)	(44,000)	-21.92%
Apr-16	37,592,700	59,987,000	47,319,600	1,546,300	(10,825,000)	296,100	-18.05%
May-16	50,658,300	51,474,000	40,285,300	516,700	(10,694,800)	(22,800)	-20.78%
Jun-16	51,567,000	54,229,000	39,985,300	680,800	(13,571,000)	(8,100)	-25.03%
Jul-16	70,391,000	92,360,000	76,921,800	1,619,900	(13,825,100)	(6,800)	-14.97%
Aug-16	90,961,100	101,616,000	94,334,500	920,100	(6,411,800)	(50,400)	-6.31%
Sep-16	84,254,000	73,301,000	64,726,300	1,290,800	(7,295,000)	(11,100)	-9.95%
Oct-16	84,707,000	78,908,000	71,988,100	861,700	(6,170,500)	(112,300)	-7.82%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

Nov-16	85,200,000	75,157,000	69,274,500	844,800	(5,145,800)	(108,100)	-6.85%
Dec-16	48,210,000	54,663,000	45,605,100	1,685,100	(7,535,000)	(162,200)	-13.78%
Jan-17	47,877,000	48,974,000	40,882,700	493,800	(7,796,500)	(199,000)	-15.92%
Feb-17	41,841,000	41,306,000	33,790,000	1,244,600	(6,596,200)	(324,800)	-15.97%
Mar-17	44,026,000	41,794,000	36,760,800	539,800	(4,867,800)	(374,400)	-11.65%
Apr-17	52,141,000	52,508,000	44,172,000	933,000	(7,651,300)	(248,300)	-14.57%
May-17	57,386,000	71,688,000	60,225,100	730,600	(10,873,400)	(143,100)	-15.17%
Jun-17	74,023,000	65,055,000	60,304,300	1,430,000	(3,448,000)	(127,300)	-5.30%
Jul-17	82,146,000	89,659,000	73,492,000	1,319,000	(14,917,100)	(69,100)	-16.64%
Aug-17	105,610,000	100,534,000	96,236,100	1,483,500	(2,931,100)	(116,700)	-2.92%
Sep-17	92,110,000	92,082,000	88,476,100	1,247,500	(2,836,600)	(278,200)	-2.86%
Oct-17	85,385,000	78,883,000	68,045,000	959,000	(10,247,000)	(368,000)	12.99%
Nov-17	67,057,000	64,391,000	61,536,000	1,353,500	(2,783,000)	(1,281,500)	-4.32%
Dec-17	58,890,000	60,227,000	54,277,800	219,500	(5,874,100)	(144,200)	-9.75%
Jan-18	50,198,000	49,185,000	44,025,100	492,500	(5,094,500)	(427,100)	-10.36%
Feb-18	44,780,000	42,986,000	36,035,900	402,500	(7,615,000)	(1,067,400)	-17.72%
Mar-18	38,200,000	37,370,000	31,675,400	655,000	(5,156,700)	(117,100)	-13.80%
Apr-18	53,908,000	53,294,000	43,894,800	552,500	(8,986,500)	(139,800)	-16.86%
May-18	60,554,000	66,395,000	60,859,500	641,398	(5,993,502)	(899,400)	-9.03%
Jun-18	72,223,000	74,270,000	68,861,800	1,220,500	(4,517,100)	(329,400)	-6.08%
Jul-18	86,851,000	86,542,000	79,983,100	1,083,500	(5,971,200)	(495,800)	-6.90%
Aug-18	93,453,000	98,759,000	88,985,300	1,141,000	(8,713,300)	(80,600)	-8.82%
Sep-18	120,808,000	105,306,000	99,491,200	1,018,000	(4,907,600)	(110,800)	-4.66%
Oct-18	52,102,000	51,478,000	44,176,000	553,500	(6,914,500)	(166,100)	-13.43%
Nov-18	47,711,000	50,394,000	37,731,000	536,500	(9,610,500)	(510,000)	-25.08%
Dec-18	42,214,000	40,730,000	33,613,400	460,000	(6,713,200)	(56,600)	-16.48%
Jan-19	42,710,000	40,415,000	34,846,200	432,500	(5,246,200)	(109,900)	-12.98%
Feb-19	37,806,000	39,342,000	30,582,800	375,500	(8,662,400)	(278,700)	-22.02%
Mar-19	38,098,000	41,943,000	32,265,900	456,500	(9,279,700)	(59,100)	-22.12%
Apr-19	52,416,000	52,698,000	45,487,900	597,000	(6,765,600)	(152,500)	-12.84%
May-19	56,355,000	58,285,000	48,228,800	604,000	(9,497,700)	(45,500)	-16.30%
Jun-19	61,030,000	57,580,000	61,799,200	487,500	(7,338,900)	(12,045,600)	-12.75%
Jul-19	61,708,000	72,223,000	58,581,400	718,000	(12,965,900)	(42,300)	-17.95%
Aug-19	101,561,000	106,228,000	83,169,100	855,500	(22,206,400)	(3,000)	-20.90%
Sep-19	129,527,000	132,121,000	106,432,100	1,325,500	(24,377,300)	(13,900)	-18.45%
Totals:	844,046,000	848,743,000	716,405,000	8,420,000	(134,485,900)	(13,594,000)	-16.20%
Jul-19	61,708,000	72,223,000	58,581,400	718,000	(12,965,900)	(42,300)	-17.95%
Aug-19	101,561,000	106,228,000	83,169,100	855,500	(22,206,400)	(3,000)	-20.90%
Sep-19	129,527,000	132,121,000	106,432,100	1,325,500	(24,377,300)	(13,900)	-18.45%
Totals:	292,796,000	310,572,000	248,182,600	2,899,000	(59,549,600)	(59,200)	-19.17%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTHTOWN M.U.D. - WATER LOSS CHART

DATE FROM	DATE TO	MASTER METER	CONSUMPTION TOTALS	FLUSHING TOTALS	BILLING ADJUSTMENTS	GALLONS UNACCOUNTED	PERCENT GAIN/LOSS
01/04/09	02/01/09	17,420.0	19,227.0	368.5	-	2175.5	12.49%
02/02/09	03/02/09	18,419.0	18,877.0	173.5	55.0	-1568.5	-8.52%
03/03/09	03/31/09	19,138.0	17,305.0	10.0	18.0	-1823.0	-9.53%
04/01/09	04/28/09	20,566.0	17,799.0	31.2	-	-2735.8	-13.30%
04/29/09	05/31/09	26,341.0	21,756.0	5.8	-	-4579.2	-17.36%
06/01/09	07/01/09	29,610.0	28,019.0	12.9	-	-1578.1	-5.33%
07/02/09	08/03/09	37,518.0	33,076.0	30.3	-	-4411.7	-11.76%
08/04/09	08/31/09	29,121.0	29,226.0	10.0	6.0	115.0	0.39%
09/01/09	09/30/09	20,008.2	21,217.0	-	12.0	1208.8	6.04%
10/01/09	11/02/09	20,277.0	18,599.0	-	-	-1678.0	-8.28%
11/03/09	11/30/09	18,382.0	18,561.0	185.0	-	354.0	2.16%
12/01/09	01/03/10	19,360.0	18,999.0	195.0	-	-2168.0	-11.19%
01/04/10	02/01/10	18,184.0	17,009.2	198.5	-	1023.7	6.33%
02/02/10	03/01/10	15,947.0	15,202.6	181.5	-	-562.9	-3.53%
03/02/10	04/04/10	19,166.0	18,210.9	187.5	-	-2767.6	-14.44%
04/05/10	05/04/10	19,359.0	20,203.6	173.5	-	1018.1	5.26%
05/05/10	06/02/10	23,147.0	21,415.2	178.5	-	-1553.3	-6.71%
06/03/10	07/01/10	20,828.0	20,119.9	283.5	-	-224.6	-1.09%
07/02/10	08/02/10	18,749.0	20,076.1	188.0	-	3513.1	20.97%
08/03/10	08/29/10	27,235.0	25,159.0	85.5	2,107.0	116.5	0.43%
08/30/10	09/28/10	23,634.0	21,577.0	25.0	811.0	-1221.0	-5.17%
TOTALS		238,076.0	229,132.5	1,879.5	2,918.0	(4,148.0)	---
AVERAGE		19,839.8	19,094.4	158.8	243.2	(345.7)	-1.27%

09/29/10	10/27/10	23,151.0	21,445.0	27.0	(45.0)	-1724.0	-7.45%
10/28/10	11/28/10	23,954.0	21,662.3	89.8	(31.0)	-2233.0	-9.32%
11/29/10	12/28/10	20,443.0	18,478.7	35.0	(59.0)	-1988.3	-9.73%
12/19/10	01/26/11	18,046.0	17,773.0	12.8	(9.0)	-289.2	-1.49%
01/27/11	02/23/11	17,538.0	14,530.0	20.0	-	-2988.0	-17.04%
02/24/11	03/29/11	23,749.0	22,320.0	18.2	(13.0)	-1423.8	-6.00%
03/30/11	04/27/11	24,828.0	22,712.0	8.4	-	-2109.6	-8.50%
04/28/11	05/30/11	34,984.0	29,664.0	14.4	-	-5305.6	-15.17%
05/31/11	06/28/11	33,067.0	28,822.0	8.2	-	-3239.8	-9.79%
06/29/11	07/27/11	34,504.0	31,314.0	7.4	(9.0)	-3191.6	-9.25%
07/28/11	08/29/11	42,013.0	39,865.0	11.3	(19.0)	-2155.7	-5.13%
08/30/11	09/28/11	32,322.0	30,431.0	8.3	-	-1882.7	-5.82%
TOTALS		328,598.0	300,017.0	258.8	(185.0)	(28,508.3)	---
AVERAGE		27,383.3	25,001.4	21.6	(15.4)	(2,375.7)	-8.68%

* Master Meter bypass problem

**The Master Meter on 620 has been inoperative since April 18, 2005. Meter was changed out on June 10, 2005

09/29/11	10/27/11	28,075.0	29,715.0	3.0	(22.0)	3621.0	13.89%
10/28/11	11/30/11	26,391.0	23,495.0	9.2	(2,005.0)	-4692.8	-18.54%
12/01/11	01/03/12	21,858.0	19,050.0	10.1	-	-2897.9	-13.20%
01/04/12	01/30/12	17,444.0	18,482.0	11.6	-	1049.6	6.02%
01/31/12	02/28/12	18,811.0	18,808.0	10.4	-	-1784.7	-9.64%
03/01/12	03/29/12	19,264.0	18,893.0	11.3	-	-559.8	-2.91%
03/30/12	04/30/12	25,489.0	26,413.0	70.8	-	994.6	3.90%
05/01/12	05/29/12	22,475.0	21,157.0	10.8	(105.0)	-1412.2	-6.28%
05/30/12	06/28/12	24,240.0	26,615.0	7.5	(18.0)	2364.5	9.75%
06/29/12	07/30/12	29,015.0	27,033.0	14.3	(11.0)	-1978.8	-6.82%
07/31/12	08/28/12	31,818.0	29,928.0	10.8	(26.0)	-2005.2	-6.28%
08/29/12	09/30/12	32,248.0	29,522.0	20.2	(20.0)	-2725.8	-8.45%
TOTALS		295,128.0	286,909.0	189.9	(2,208.0)	(10,237.2)	---
AVERAGE		24,584.0	23,909.1	15.8	(184.0)	(853.1)	-3.47%

10/01/12	10/29/12	23,952.0	22,561.0	10.8	(46.0)	-1426.2	-5.95%
10/30/12	11/28/12	26,519.0	24,940.0	9.0	(229.0)	-1799.0	-6.78%
11/29/12	01/02/13	27,328.0	23,866.0	9.0	(408.0)	-3861.0	-14.13%
01/03/13	01/31/13	21,144.0	18,913.0	9.0	(58.0)	-2280.0	-10.78%
02/01/13	02/27/13	18,487.0	17,923.0	9.0	(24.0)	-559.0	-3.03%
02/28/13	03/27/13	20,458.0	19,671.0	9.0	(43.0)	-819.0	-4.00%
03/28/13	04/28/13	24,122.0	22,733.0	9.0	(12.0)	-1382.0	-5.77%
04/29/13	05/29/13	24,345.0	23,081.0	9.0	-	-1255.0	-5.16%
05/30/13	06/27/13	24,850.0	24,337.0	3.8	(22.0)	-531.3	-2.14%
06/28/13	07/30/13	28,281.0	25,527.0	9.0	(5.0)	-2750.0	-9.72%
07/31/13	08/27/13	26,617.0	24,835.0	9.0	(11.0)	-984.0	-3.84%
08/28/13	09/29/13	28,137.0	25,956.0	9.0	(5.0)	-2177.0	-7.74%
TOTALS		293,218.0	274,143.0	104.6	(963.0)	(19,833.4)	---
AVERAGE		24,434.8	22,845.3	8.7	(71.8)	(1,652.8)	-6.76%

09/30/13	10/29/13	21,898.0	20,087.0	8.9	-	-1802.1	-8.23%
10/30/13	11/25/13	17,854.0	16,080.0	-	-	-1774.0	-9.94%
11/26/13	12/29/13	22,366.0	21,462.0	101.5	-	-802.5	-3.59%
12/30/13	01/30/14	21,364.0	18,413.0	90.0	(56.0)	-2917.0	-13.65%
01/31/14	02/26/14	17,875.0	16,717.0	18.0	(5.0)	-945.0	-5.35%
02/27/14	03/27/14	18,804.0	18,117.0	18.0	(5.0)	-674.0	-3.58%
03/28/14	04/26/14	23,262.0	20,932.0	18.0	-	-2312.0	-9.94%
04/29/14	05/29/14	23,795.0	21,653.0	36.2	-	-2105.8	-8.85%
05/29/14	06/26/14	22,288.0	21,417.0	18.0	(9.0)	-840.0	-3.77%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTHTOWN M.U.D. - WATER LOSS CHART

DATE FROM	DATE TO	MASTER METER	CONSUMPTION TOTALS	FLUSHING TOTALS	BILLING ADJUSTMENTS	GALLONS UNACCOUNTED	PERCENT GAIN/LOSS
06/27/14	07/29/14	28,100 0	24,329 0	18 0	(11 0)	-3764 0	-13 40%
07/30/14	08/26/14	26,304 0	24,627 0	-	(7 0)	-1684 0	-6 40%
08/27/14	09/26/14	28,121 0	24,250 0	18 0	(3 0)	-3858 0	-13 71%
TOTALS		271,809 0	248,084 0	344 6	(3 0)	(23,476 4)	---
AVERAGE		22,650 8	20,673 7	28 7	(3 0)	(1,956 4)	-8 64%
09/29/14	10/29/14	23,898 0	22,180 0	24 3	(18 0)	-1711 8	-7 18%
10/30/14	11/24/14	18,042 0	16,252 0	54 0	(10 0)	-1746 0	-9 68%
11/25/14	12/29/14	22,784 0	20,381 0	21 6	-	-2381 4	-10 45%
12/30/15	01/29/15	20,340 0	19,194 0	54 0	(28 0)	-1118 0	-5 50%
01/30/15	03/01/15	19,601 0	15,881 0	54 0	(75 0)	-3641 0	-18 58%
03/02/15	03/29/15	18,043 0	19,340 0	54 0	(101 0)	1260 0	6 93%
03/30/15	04/29/15	21,005 0	18,385 0	54 0	(518 0)	-3084 0	-14 68%
04/30/15	05/29/15	20,164 0	17,606 0	54 0	-	-2504 0	-12 42%
05/30/15	06/29/15	22,112 0	20,885 0	19 5	(136 0)	-1565 6	-7 08%
06/30/15	07/29/15	28,205 0	24,558 0	21 8	-	-1827 2	-6 21%
07/30/15	08/28/15	31,812 0	28,855 0	79 9	(405 0)	-3082 2	-9 75%
08/29/15	09/28/15	29,145 0	27,350 0	34 1	(37 0)	-1797 9	-6 17%
TOTALS		272,851 0	250,745 0	525 1	(1,328 0)	(23,008 0)	---
AVERAGE		22,745 9	20,895 4	43 8	(110 7)	(1,917 4)	-8 43%
09/29/15	10/28/15	25,877 0	25,592 0	79 5	(30 0)	-335 5	-1 29%
10/29/15	11/29/15	23,399 0	18,812 0	33 0	(30 0)	-4584 0	-19 59%
11/30/15	12/28/15	19,408 0	17,807 0	38 0	(24 0)	-1587 0	-8 18%
12/29/15	01/27/16	20,187 0	18,976 0	39 0	(4 0)	-1176 0	5 83%
01/28/16	02/25/16	19,278 0	17,170 0	74 5	(751 0)	-2784 5	-14 44%
02/26/16	03/29/16	22,630 0	21,216 0	56 0	(77 0)	-1435 0	-6 34%
03/30/16	04/27/16	20,741 0	18,847 0	27 0	(39 0)	-1906 0	-9 19%
04/28/16	05/29/16	22,850 0	21,838 0	69 0	-	-1143 0	-5 00%
05/30/16	06/28/16	24,219 0	21,868 0	54 0	(20 0)	-2219 0	-9 16%
06/29/16	07/31/16	32,486 0	28,226 0	36 0	(20 0)	-3244 0	-9 99%
08/01/16	08/29/16	28,028 0	22,961 0	54 0	(20 0)	-3031 0	-11 65%
08/30/16	09/28/16	25,974 0	22,484 0	58 5	(33 0)	-3464 5	-13 34%
TOTALS		283,173 0	256,895 0	616 5	(1,048 0)	(26,908 5)	---
AVERAGE		23,597 8	21,391 3	51 4	(87 3)	(2,242 5)	-8 50%
09/29/16	10/26/16	22,965 0	21,647 0	54 0	(99 0)	-1363 0	-5 84%
10/27/16	11/28/16	26,142 0	22,446 0	52 5	(74 0)	-3717 5	-14 22%
11/29/16	12/28/16	21,055 0	18,544 0	54 0	(23 0)	-2480 0	-11 78%
12/29/16	01/29/17	21,539 0	19,821 0	27 5	(47 0)	-1737 5	-8 07%
01/30/17	02/26/17	19,080 0	17,699 0	13 1	(46 0)	-1413 9	-7 41%
02/27/17	03/29/17	22,199 0	19,117 0	12 8	(15 0)	-3084 2	-13 89%
03/30/17	04/30/17	25,248 0	22,927 0	57 0	(23 0)	-2287 0	-9 08%
05/01/17	05/31/17	25,528 0	22,857 0	49 5	(5 0)	-2626 5	-10 29%
06/01/17	06/29/17	24,802 0	22,480 0	48 0	-	-2274 0	-9 17%
06/30/17	07/27/17	26,276 0	25,439 0	46 5	-	-790 5	-3 01%
07/28/17	08/29/17	29,772 0	25,843 0	66 0	(7 9)	-3870 9	-13 00%
08/30/17	09/28/17	28,104 0	24,020 0	51 0	(7 9)	-2040 9	-7 82%
TOTALS		290,710 0	262,840 0	531 9	(347 8)	(27,685 9)	---
AVERAGE		24,225 8	21,903 3	44 3	(29 0)	(2,307 2)	-8 52%
09/29/17	10/29/17	25,319 0	21,394 0	51 0	(12 0)	-3886 0	-15 35%
10/30/17	11/28/17	23,248 0	20,313 0	53 5	(12 0)	-2891 5	-12 44%
11/29/17	12/29/17	21,874 0	17,825 0	51 0	(74 0)	-4074 0	-18 62%
12/30/17	01/30/18	18,713 0	19,424 0	55 5	(42 0)	724 5	3 87%
02/01/18	02/28/18	22,278 0	16,573 0	51 0	(51 0)	-5705 0	-25 61%
03/01/18	03/29/18	20,525 9	18,134 0	51 0	(72 0)	-2412 9	-11 76%
03/30/18	04/30/18	23,272 9	21,512 0	51 0	(59 0)	-1768 9	-7 60%
05/01/18	05/31/18	26,570 0	25,274 0	34 0	(61 0)	-1323 0	-4 98%
06/01/18	06/29/18	25,237 0	22,963 0	51 0	-	-2223 0	-8 81%
06/30/18	07/30/18	27,100 1	25,748 0	51 0	(40 0)	-1341 1	-4 95%
07/31/18	08/31/18	28,055 5	26,303 0	51 0	(51 0)	-2650 5	-9 12%
08/01/18	09/28/18	20,325 0	18,882 0	66 0	(84 0)	-1361 0	-6 70%
TOTALS		283,518 4	254,445 0	617 0	(558 0)	(28,912 4)	---
AVERAGE		23,626 5	21,209 8	51 4	(46 5)	(2,409 4)	-10 20%
09/29/18	10/31/18	13,969 7	19,508 0	51 0	(120 0)	5489 3	39 15%
11/01/18	11/30/18	11,181 0	17,178 0	51 0	(57 0)	5888 0	53 56%
12/01/18	01/02/19	8,212 8	14,944 0	66 0	(139 0)	6797 0	82 76%
01/03/19	01/29/19	8,674 0	19,903 0	102 0	(83 0)	11330 9	130 63%
01/30/19	02/28/19	9,368 7	16,227 0	102 0	(282 0)	6660 0	74 28%
03/01/19	03/28/19	18,358 0	17,039 0	51 0	(186 0)	-1454 0	-7 92%
03/29/19	04/29/19	15,168 0	20,695 0	-	(335 0)	5192 0	34 23%
04/30/19	05/30/19	21,202 4	18,901 0	456 0	(61 0)	-906 4	-4 27%
06/01/19	06/28/19	20,833 0	20,172 0	40 8	(248 0)	-668 2	-3 24%
06/29/19	07/29/19	25,257 4	24,188 0	51 0	-	-1020 4	-4 04%
07/30/19	08/28/19	28,640 4	27,570 0	51 0	(61 0)	-1019 4	-3 56%
TOTALS		180,665 4	217,321 0	1,021 8	(1,572 0)	36,669 8	---
AVERAGE		16,424 1	19,756 5	92 9	(142 9)	3,333 6	20 30%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTHTOWN M.U.D. - WATER LOSS CHART

DATE	DATE	MASTER	CONSUMPTION	FLUSHING	BILLING	GALLONS	PERCENT
FROM	TO	METER	TOTALS	TOTALS	ADJUSTMENTS	UNACCOUNTED	GAIN/LOSS

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTH AUSTIN M.U.D. NO. 1 - WATER LOSS CHART

DATE FROM	DATE TO	MASTER METER	CONSUMPTION TOTALS	GALLONS UNACCOUNTED	PERCENT GAIN/LOSS	BILLING ADJ IN TH GALS
09/17/94	10/18/94	22881 3	21549.0	1332.0	5.82%	
10/19/94	11/20/94	13636.0	13799.0	163.0	1.20%	
11/20/94	12/20/94	13626.0	12699.0	-927.0	-6.80%	
12/20/94	01/20/95	13533.0	13387.0	-146.0	-1.08%	
01/20/95	02/20/95	13923.0	14243.0	-320.0	-2.30%	
02/20/95	03/20/95	12448.0	11925.0	-523.0	-4.20%	
03/20/95	04/17/95	16070.0	15760.0	-310.0	-1.93%	
04/17/95	05/15/95	15013.0	14840.0	-173.0	-1.15%	
05/15/95	06/14/95	16895.0	16698.0	-297.0	-1.75%	
06/15/95	07/16/95	27492.0	27035.0	-457.0	-1.66%	
07/17/95	08/15/95	31875.0	31112.0	-763.0	-2.39%	
08/16/95	09/17/95	30893.0	29234.0	-1659.0	-5.37%	
09/18/95	10/15/95	20650.0	19790.0	-860.0	-4.16%	
10/16/95	11/15/95	21968.0	20469.0	-1499.0	-6.82%	
11/16/95	12/13/95	15118.0	14129.0	-989.0	-6.54%	
12/14/95	01/14/96	17350.0	16693.0	-657.0	-3.79%	
01/15/96	02/15/96	17789.0	16987.0	-802.0	-4.51%	
02/16/96	03/17/96	20888.0	20771.0	-117.0	-0.56%	
03/18/96	04/15/96	20600.0	20122.0	-478.0	-2.32%	
04/16/96	05/15/96	27211.0	26949.0	-262.0	-0.96%	
05/16/96	06/16/96	28824.0	28329.0	-495.0	-1.72%	
06/17/96	07/15/96	28780.0	28006.0	-774.0	-2.62%	
07/16/96	08/15/96	41560.0	39851.0	-1709.0	-4.11%	
08/16/96	09/17/96	27413.0	23767.0	-3646.0	-13.30%	
09/18/96	10/16/96	21850.0	20122.0	-1728.0	-7.91%	
10/17/96	11/17/96	21801.0	18846.0	-2955.0	-13.55%	
11/18/96	12/16/96	18512.0	16151.0	-2361.0	-12.75%	
12/17/96	01/19/97	20659.0	17929.0	-2730.0	-13.21%	
01/20/97	02/16/97	16872.0	14635.0	-2237.0	-13.26%	
02/17/97	03/17/97	16594.0	14086.0	-2508.0	-15.11%	
03/18/97	04/17/97	20302.0	17558.0	-2744.0	-13.52%	
04/18/97	05/19/97	23105.0	20705.0	-2400.0	-10.39%	
05/20/97	06/16/97	18186.0	16175.0	-2011.0	-11.06%	
06/17/97	07/17/97	29853.0	26419.0	-3434.0	-11.50%	
07/18/97	08/18/97	38358.0	38225.0	-133.0	-0.35%	
08/19/97	09/18/97	38405.0	35368.0	-3037.0	-7.91%	
09/19/97	10/20/97	28319.0	26506.0	-1813.0	-6.40%	
10/21/97	11/19/97	19707.0	19031.0	-676.0	-3.43%	
11/20/97	12/18/97	16056.0	15690.0	-366.0	-2.28%	
12/19/97	01/19/98	17529.0	17496.0	-33.0	-0.19%	
01/20/98	02/19/98	17118.0	16673.0	-445.0	-2.60%	
02/20/98	03/18/98	14834.0	15605.0	771.0	5.20%	
03/20/98	04/19/98	22081.0	19322.0	-2759.0	-12.49%	
04/20/98	05/19/98	31656.0	32113.0	457.0	1.44%	
05/20/98	06/16/98	35018.0	39998.0	4980.0	14.22%	
06/17/98	07/20/98	45464.0	42363.0	-3101.0	-6.82%	
07/21/98	08/19/98	41517.0	46350.0	4833.0	11.64%	
08/20/98	09/17/98	27948.0	29218.0	1270.0	4.54%	
09/18/98	10/18/98	26095.0	31497.0	5402.0	20.70%	
10/19/98	11/18/98	18853.0	20650.0	1797.0	9.53%	
11/19/98	12/17/98	16892.0	18235.0	1343.0	7.95%	
12/18/98	01/19/99	19294.0	22206.0	2912.0	15.09%	
01/20/99	02/18/99	18789.0	24885.0	6196.0	32.98%	
02/19/99	03/18/99	19920.0	19106.0	-814.0	-4.09%	
03/19/99	04/19/99	22973.0	21866.0	-1107.0	-4.82%	
04/20/99	05/19/99	25000.0	25911.0	911.0	3.64%	
05/20/99	06/17/99	26,013.0	27414.0	1401.0	5.39%	
06/18/99	07/16/99	24,375.0	25985.0	1610.0	6.61%	
07/17/99	08/18/99	44,910.0	45689.0	779.0	1.73%	
08/19/99	09/18/99	51,667.0	51360.0	-307.0	-0.59%	
09/19/99	10/21/99	48,711.0	48292.0	-419.0	-0.86%	
10/22/99	11/19/99	28,494.0	26092.0	-2402.0	-8.43%	
11/19/99	12/17/99	22,167.0	21779.0	-388.0	-1.75%	
12/18/99	01/19/00	21,269.0	22687.0	1418.0	6.67%	
01/20/00	02/21/00	21,351.0	22387.0	1036.0	4.85%	
02/22/00	03/17/00	17,581.0	17487.0	-94.0	-0.53%	
03/18/00	04/20/00	26,089.0	25491.0	-598.0	-2.29%	
04/21/00	05/19/00	31,940.0	31285.0	-655.0	-2.05%	

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTH AUSTIN M.U.D. NO. 1 - WATER LOSS CHART

DATE FROM	DATE TO	MASTER METER	CONSUMPTION TOTALS	GALLONS UNACCOUNTED	PERCENT GAIN/LOSS	BILLING ADJ IN TH GALS
05/20/00	06/19/00	31,998.0	31891.0	-107.0	-0.33%	
06/20/00	07/19/00	48,687.0	46212.0	-2475.0	-5.08%	
07/20/00	08/18/00	50,365.0	46212.0	-4153.0	-8.25%	
08/19/00	09/19/00	60,891.0	54065.0	-6826.0	-11.21%	
09/20/00	10/18/00	29,500.0	27836.0	-1664.0	-5.64%	
10/19/00	11/17/00	19,985.0	18824.0	-1161.0	-5.81%	
11/18/00	12/18/00	21,223.0	20163.0	-1060.0	-4.99%	
12/19/00	01/22/01	22,479.0	21491.0	-988.0	-4.40%	
01/23/01	02/19/01	17,726.0	17453.0	-273.0	-1.54%	
02/20/01	03/19/01	18,297.0	17221.0	-1076.0	-5.88%	
03/20/01	04/23/01	25,990.0	22362.0	-3628.0	-13.96%	
04/24/01	05/18/01	29,369.0	27280.0	-2089.0	-7.11%	
05/19/01	06/20/01	36,249.0	33987.0	-2262.0	-6.24%	
06/21/01	07/19/01	42,969.0	41734.0	-1235.0	-2.87%	
07/20/01	08/20/01	63,296.0	63817.0	521.0	0.82%	
08/21/01	09/20/01	33,344.0	33312.1	31.9	-0.10%	
09/21/01	10/19/01	32,679.0	32909.0	230.0	0.70%	
10/20/01	11/20/01	28,228.0	26723.0	-1505.0	-5.33%	
11/21/01	12/18/01	16,681.0	17548.0	867.0	5.20%	
12/19/01	01/21/02	22,733.0	21071.0	-1662.0	-7.31%	
01/22/02	02/21/02	21,439.0	19746.0	-1693.0	-7.90%	
02/22/02	03/20/02	20,252.0	19961.0	-291.0	-1.44%	
03/21/02	04/22/02	29,449.0	27900.0	-1549.0	-5.26%	
04/23/02	05/20/02	39,323.0	38687.0	-636.0	-1.62%	
05/21/02	06/19/02	43,503.0	45367.0	1864.0	4.28%	
06/20/02	07/22/02	35,725.0	35082.0	-643.0	-1.80%	
07/23/02	08/22/02	47,412.0	46562.0	-850.0	-1.79%	
08/23/02	09/20/02	39,725.0	40796.9	1071.9	2.70%	
09/21/02	10/21/02	31,762.0	30,792.3	-969.7	-3.05%	
10/22/02	11/18/02	19,507.0	18,951.0	-556.0	-2.85%	
11/19/02	12/19/02	21,465.0	20,857.5	-607.5	-2.83%	
12/20/02	01/21/03	20,105.0	19,806.7	-298.3	-1.47%	
01/22/03	02/22/03	19,673.0	18,243.3	-1429.7	-7.27%	
02/23/03	03/21/03	17,186.0	17,140.0	-46.0	-0.27%	
03/22/03	04/21/03	28,761.0	28,150.0	-611.0	-2.12%	
04/22/03	05/27/03	42,973.0	42,367.0	-606.0	-1.41%	
05/28/03	06/20/03	26,219.0	26,126.0	-93.0	-0.35%	
06/21/03	07/21/03	43,259.0	42,240.0	-1019.0	-2.36%	
07/22/03	08/20/03	41,505.0	46,414.0	4909.0	11.83%	
08/21/03	09/19/03	38,537.0	37,181.1	-1355.9	-3.52%	
09/20/03	10/17/03	24,809.0	23,006.2	-1800.8	-7.26%	
10/18/03	11/17/03	24,809.0	25,568.0	759.0	3.06%	
11/18/03	12/17/03	22,190.0	20,785.0	-1405.0	-6.33%	
12/18/03	01/19/04	24,109.0	21,786.0	-2323.0	-9.64%	
01/20/04	02/18/04	23,122.0	21,136.0	-1986.0	-8.59%	
02/19/04	03/18/04	20,347.0	18,696.0	-1651.0	-8.11%	
03/19/04	04/19/04	23,692.0	21,582.2	-2109.8	-8.91%	
04/20/04	05/19/04	23,692.0	23,124.8	-567.2	-2.39%	
05/20/04	06/18/04	28,333.0	26,356.0	-1977.0	-6.98%	
06/19/04	07/20/04	35,520.0	32,780.0	-2740.0	-7.71%	
07/21/04	08/18/04	35,953.0	34,855.9	-1097.1	-3.05%	
08/19/04	09/16/04	32,615.0	30,974.9	-1640.1	-5.03%	
09/17/04	10/19/04	31,578.0	29,549.0	-2029.0	-6.43%	
10/20/04	11/16/04	20,642.0	19,008.9	-1633.1	-7.91%	
11/17/04	12/19/04	22,246.0	20,206.1	-2039.9	-9.17%	
12/20/04	01/18/05	20,666.0	18,741.5	-1924.5	-9.31%	
01/19/05	02/15/05	18,086.0	18,038.5	-47.5	-0.26%	
02/16/05	03/17/05	18,983.0	18,377.0	-606.0	-3.19%	
03/18/05	04/20/05	26,475.0	25,186.2	-1288.8	-4.87%	
04/21/05	05/17/05	19,780.0	26,211.9	6431.9	32.55%	**
05/18/05	06/19/05	32,589.0	40,630.0	8041.0	24.67%	**
06/20/05	07/20/05	51,424.0	54,762.9	3338.9	6.49%	
07/21/05	08/17/05	33,763.0	36,066.3	2325.3	6.89%	
08/18/05	09/18/05	47,154.0	48,884.3	1730.3	3.67%	
09/19/05	10/19/05	41,268.0	38,741.0	-2527.0	-6.12%	
10/20/05	11/16/05	34,865.0	33,794.2	-1070.8	-3.07%	
11/17/05	12/19/05	30,888.0	29,610.7	-1277.4	-4.14%	

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTH AUSTIN M.U.D. NO. 1 - WATER LOSS CHART

DATE FROM	DATE TO	MASTER METER	CONSUMPTION TOTALS	GALLONS UNACCOUNTED	PERCENT GAIN/LOSS	BILLING ADJ IN TH GALS
12/20/05	01/18/06	27,829.0	27,382.3	-466.7	-1.68%	
01/19/06	02/16/06	24,887.0	24,201.1	-685.9	-2.76%	(3,294,100)
02/17/06	03/16/06	25,158.0	24,489.3	-668.7	-2.66%	(21,000)
03/17/06	04/18/06	33,269.0	33,069.6	-199.4	-0.60%	0
04/19/06	05/17/06	28,912.0	30,044.7	1132.7	3.92%	0
05/18/06	06/18/06	46,260.0	46,411.0	151.0	0.33%	(1,420,000)
06/19/06	07/17/06	39,891.0	38,590.3	-1300.7	-3.26%	(63,000)
07/18/06	08/17/06	54,650.0	55,006.9	356.9	0.65%	(38,000)
08/18/06	09/18/06	44,052.0	49,388.7	5336.7	12.11%	(8,000)
09/19/06	10/18/06	36,368.0	34,452.0	-1916.0	-5.27%	(19,000)
10/19/06	11/16/06	30,043.0	26,061.8	-3981.2	-13.25%	(46,000)
11/17/06	12/19/06	31,778.0	29,343.6	-2434.4	-7.66%	(44,000)
12/20/06	01/21/07	26,441.0	23,392.0	-3049.0	-11.53%	(29,000)
01/22/07	02/18/07	21,879.0	19,617.4	-2061.6	-9.42%	0
02/19/07	03/18/07	26,603.0	27,078.4	475.4	1.79%	(47,000)
03/19/07	04/18/07	17,069.0	24,913.3	7844.3	45.96%	(2,401,000)
04/19/07	05/20/07	12,807.0	25,796.3	12989.3	101.42%	(20,000)
05/21/07	06/19/07	12,140.0	18,500.0	6360.0	52.39%	(23,000)
06/20/07	07/19/07	11,808.0	17,688.0	5880.0	49.63%	(12,000)
07/20/07	08/16/07	14,884.0	22,443.0	7559.0	50.79%	2,854,000
08/17/07	09/17/07	35,581.0	32,363.0	-3218.0	-9.04%	0
09/18/07	10/17/07	37,886.0	35,215.2	-2670.8	-7.05%	(48.0)
10/18/07	11/18/07	42,608.0	41,089.3	-1509.7	-3.54%	(70.0)
11/19/07	12/17/07	31,646.0	31,221.0	-425.0	-1.34%	(28.0)
12/18/07	01/17/08	27,419.0	25,105.4	-2313.6	-8.44%	(22.0)
01/18/08	02/18/08	27,585.0	25,352.5	-2232.6	-8.09%	(20.0)
02/19/08	03/18/08	26,679.0	23,932.0	-2747.0	-10.30%	(41.0)
03/19/08	04/17/08	29,042.0	27,665.7	-1376.3	-4.74%	0.0
04/18/08	05/18/08	30,487.0	28,817.6	-1669.4	-5.48%	0.0
05/19/08	06/17/08	46,108.0	45,029.4	-1078.6	-2.34%	(6.0)
06/18/08	07/17/08	50,264.0	49,007.9	-1256.1	-2.50%	(9.0)
07/18/08	08/18/08	53,540.0	55,831.3	2291.3	4.28%	0.0
08/19/08	09/18/08	42,984.0	39,899.4	-3084.7	-7.18%	0.0
09/19/08	10/18/08	42,229.0	37,483.6	-4745.5	-11.24%	0.0
10/19/08	11/19/08	40,391.0	39,132.0	-1259.0	-3.12%	(63.0)
11/20/08	12/16/08	27,549.0	26,435.2	-1113.8	-4.04%	(30.0)
12/17/08	01/18/09	31,422.0	29,327.0	-2095.0	-6.67%	(1,346.0)
01/19/09	02/18/09	32,929.0	30,921.6	-2007.4	-6.10%	(237.0)
02/19/09	03/17/09	29,379.0	25,627.0	-3752.0	-12.77%	0.0
03/18/09	04/16/09	33,880.0	27,906.0	-5974.0	-17.63%	127.0
04/17/09	05/14/09	33,415.0	27,855.8	-5559.2	-16.64%	0.0
05/15/09	06/17/09	45,888.0	39,267.6	-6620.4	-14.43%	0.0
06/18/09	07/16/09	49,876.0	50,272.4	396.4	0.79%	(65.0)
07/17/09	08/16/09	59,576.0	59,095.5	-480.5	-0.81%	(343.0)
08/17/09	09/15/09	41,012.0	37,827.5	-3184.6	-7.76%	(53.0)
FY 08/09 TOTALS		467,546.0	431,151.1	(36,394.9)	---	(2,010.0)
FY 08/09 AVERAGE		38,962.2	35,929.3	(3,032.9)	-8.37%	(167.5)
09/16/09	10/14/09	24,692.0	21,076.9	-3615.1	-14.64%	(291.0)
10/15/09	11/17/09	28,616.0	25,187.0	-3429.0	-11.98%	(119.0)
11/18/09	12/16/09	24,336.0	20,630.0	-3706.0	-15.23%	(30.0)
12/17/09	01/17/10	26,103.0	20,474.0	-5629.0	-21.56%	(3.0)
01/18/10	02/16/10	22,779.0	17,509.0	-5270.0	-23.14%	(44.0)
02/17/10	03/16/10	20,708.0	16,429.0	-4279.0	-20.66%	(720.0)
03/17/10	04/18/10	26,717.0	21,524.0	-5093.0	-19.06%	(736.0)
04/19/10	05/16/10	29,703.0	28,290.0	-1413.0	-4.76%	(3.0)
05/17/10	06/16/10	34,534.0	30,757.0	-3777.0	-10.94%	(17.0)
06/17/10	07/16/10	34,614.0	34,177.0	-437.0	-1.26%	(43.0)
07/17/10	08/17/10	43,227.0	37,542.1	-5685.0	-13.15%	(38.0)
08/18/10	09/15/10	35,549.0	31,440.2	-4108.8	-11.56%	(525.0)
FY 09/10 TOTALS		351,578.0	305,136.2	(46,441.9)	---	(2,569.0)
FY 09/10 AVERAGE		29,298.2	25,428.0	(3,870.2)	-14.00%	(214.1)
09/16/10	10/17/10	40,217.0	31,358.8	-8858.3	-22.03%	(525.0)
10/18/10	11/16/10	43,008.0	33,924.3	-9083.8	-21.12%	(525.0)
11/17/10	12/15/10	34,013.0	25,857.8	-8155.3	-24.56%	(59.0)
12/15/10	01/16/11	28,477.0	24,016.1	-4460.9	-15.66%	(11.0)
01/17/11	02/16/11	26,461.0	20,167.6	-6293.4	-23.78%	(2.0)
02/17/11	03/16/11	26,495.0	22,180.2	-4314.8	-16.29%	(2.0)
03/17/11	04/13/11	34,823.0	30,874.0	-3949.0	-11.34%	(14.0)

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTH AUSTIN M.U.D. NO. 1 - WATER LOSS CHART

DATE FROM	DATE TO	MASTER METER	CONSUMPTION TOTALS	GALLONS UNACCOUNTED	PERCENT GAIN/LOSS	BILLING ADJ IN TH GALS
04/14/11	05/17/11	46,653.0	44,829.4	-2023.6	-4.34%	0.0
05/18/11	06/15/11	43,872.0	44,933.4	1061.4	2.42%	(5.0)
06/16/11	07/17/11	54,913.0	56,741.7	1828.7	3.33%	(29.0)
07/18/11	08/16/11	55,866.0	58,267.8	2401.8	4.30%	(6.0)
08/17/11	09/14/11	50,980.0	53,866.5	2886.5	5.66%	(9.0)

FY 10/11 TOTALS	485,778.0	446,617.4	(39,160.7)	---	(1,187.0)
FY 10/11 AVERAGE	40,481.5	37,218.1	(3,263.4)	-8.06%	(98.9)

* Master Meter bypass problem

**The Master Meter on 620 has been inoperative since April 16, 2005. Meter was changed out on June 10, 2005

09/15/11	10/16/11	42,703.0	43,097.2	394.2	0.92%	(1,424.0)
10/17/11	11/15/11	28,770.0	30,274.0	1504.0	5.23%	(830.0)
11/16/11	12/15/11	21,641.0	22,080.0	439.0	2.03%	0.0
12/16/11	01/17/12	20,833.0	19,900.3	-932.7	-4.48%	0.0
01/18/12	02/14/12	17,663.0	18,049.8	386.8	2.19%	0.0
02/15/12	03/14/12	19,216.0	18,991.4	-224.6	-1.17%	0.0
03/15/12	04/16/12	31,580.0	26,616.8	-4963.3	-15.72%	0.0
04/17/12	05/15/12	37,298.0	29,998.4	-7299.6	-19.57%	(478.0)
05/16/12	06/17/12	48,067.0	39,464.1	-8602.9	-17.90%	(39.0)
06/18/12	07/16/12	39,705.0	41,774.5	2069.5	5.21%	(15.0)
07/17/12	08/16/12	42,439.0	41,283.1	-1155.9	-2.72%	0.0
08/17/12	09/16/12	40,595.0	41,974.7	1379.7	3.40%	(21.0)

FY 11/12 TOTALS	390,510.0	373,504.3	(17,005.8)	---	(2,805.0)
FY 11/12 AVERAGE	32,542.5	31,125.4	(1,417.1)	-4.35%	(233.8)

09/17/12	10/15/12	28,647.0	27,971.0	-676.0	-2.36%	(60.0)
10/16/12	11/14/12	29,072.0	28,537.8	-534.3	-1.84%	0.0
11/15/12	12/14/12	27,295.0	26,336.9	-958.2	-3.51%	(32.0)
12/15/12	01/16/13	23,789.0	23,478.9	-310.1	-1.30%	0.0
01/17/13	02/13/13	20,074.0	20,433.4	359.4	1.79%	(867.0)
02/14/13	03/14/13	22,521.0	19,860.9	-2660.1	-11.81%	0.0
03/15/13	04/15/13	27,470.0	29,267.4	1817.4	6.62%	(120.0)
04/16/13	05/14/13	26,351.0	26,357.1	6.1	0.02%	(84.0)
05/15/13	06/16/13	31,960.0	31,955.6	-4.4	-0.01%	(4.0)
06/17/13	07/16/13	37,350.0	36,759.1	-590.9	-1.58%	(4.0)
07/17/13	08/14/13	32,103.0	32,005.0	-98.0	-0.31%	0.0
08/15/13	09/15/13	38,785.0	38,278.0	-507.0	-1.31%	(7.0)

FY 12/13 TOTALS	345,417.0	341,260.8	(4,156.2)	---	-
FY 12/13 AVERAGE	28,784.8	28,438.4	(346.4)	-1.20%	(98.2)

09/16/13	10/15/13	26,149.0	24,336.4	-1812.7	-6.93%	(4.0)
10/16/13	11/13/13	22,180.3	20,403.8	-1776.5	-8.01%	(18.0)
11/14/13	12/13/13	18,148.5	18,119.5	-29.0	-0.16%	(7.0)
12/14/13	01/15/14	20,601.9	20,573.5	-28.4	-0.14%	(5.0)
01/16/14	02/14/14	19,238.3	17,064.5	-2173.8	-11.30%	0.0
02/15/14	03/13/14	17,374.0	16,961.0	-413.0	-2.38%	(3.0)
03/14/14	04/13/14	22,338.0	23,328.5	990.5	4.43%	(4.0)
04/14/14	05/14/14	29,174.0	26,876.0	-2298.0	-7.88%	0.0
05/15/14	06/12/14	25,771.0	26,486.0	715.0	2.77%	(7.0)
06/13/14	07/13/14	29,706.0	30,494.0	788.0	2.65%	0.0
07/14/14	08/12/14	30,985.0	30,831.0	-154.0	-0.50%	(2.0)
08/13/14	09/15/14	41,210.1	40,141.5	-1068.6	-2.59%	0.0

FY 13/14 TOTALS	302,876.1	295,615.7	(7,260.5)	---	-
FY 13/14 AVERAGE	25,239.7	24,634.6	(605.0)	-2.40%	(4.2)

09/16/14	10/13/14	24,050.0	24,418.4	368.4	1.53%	(17.0)
10/14/14	11/11/14	23,988.0	23,854.5	-133.5	-1.39%	(86.0)
11/12/14	12/11/14	19,883.0	18,719.8	-1163.2	-5.85%	(60.0)
12/12/14	01/13/15	20,029.0	19,979.1	-49.9	-0.25%	0.0
01/14/15	02/12/15	17,310.8	16,223.6	-1087.2	-6.28%	(23.0)
02/13/15	03/11/15	15,375.0	15,610.5	235.5	1.53%	(9.0)
03/12/15	04/13/15	22,231.0	21,778.4	-452.6	-2.04%	(86.0)
04/14/15	05/13/15	21,505.5	20,425.6	-1079.9	-5.02%	(7.0)
05/14/15	06/14/15	23,249.0	22,431.5	-817.5	-3.52%	0.0
06/15/15	07/14/15	24,693.5	23,015.5	-1678.0	-6.80%	0.0
07/15/15	08/12/15	39,654.0	40,387.3	733.3	1.85%	0.0
08/13/15	09/13/15	40,651.0	40,699.4	48.4	0.12%	(5.0)

FY 14/15 TOTALS	292,619.8	287,343.6	(5,276.2)	---	-
-----------------	-----------	-----------	-----------	-----	---

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)
NORTH AUSTIN M.U.D. NO. 1 - WATER LOSS CHART

DATE FROM	DATE TO	MASTER METER	CONSUMPTION TOTALS	GALLONS UNACCOUNTED	PERCENT GAIN/LOSS	BILLING ADJ IN TH GALS
FY 14/15 AVERAGE		24,385.0	23,945.3	(439.7)	-1.80%	(22.8)
09/14/15	10/12/15	33,675.0	33,430.6	-244.4	-0.73%	(37.0)
10/13/15	11/11/15	25,135.0	24,059.8	-1075.3	-4.28%	(11.0)
11/12/15	12/10/15	19,059.0	17,420.9	-1638.1	-8.60%	(30.0)
12/11/15	01/13/16	20,848.0	20,021.1	-826.9	-3.97%	(29.0)
01/14/16	02/10/16	18,391.0	17,632.9	-758.2	-4.12%	(78.0)
02/11/16	03/13/16	23,604.0	23,079.8	-524.3	-2.22%	0.0
03/14/16	04/12/16	23,078.0	21,968.0	-1110.0	-4.81%	0.0
04/13/16	05/11/16	19,990.5	19,105.5	-885.0	-4.43%	0.0
05/12/16	06/13/16	22,372.0	21,401.5	-970.5	-4.34%	0.0
06/14/16	07/14/16	36,067.0	37,675.5	1608.5	4.46%	0.0
07/15/16	08/14/16	40,141.0	38,647.5	-1493.5	-3.72%	(9,906.0)
08/15/16	09/13/16	25,809.0	25,467.5	-341.5	-1.32%	0.0
FY 15/16 TOTALS		308,169.5	299,910.5	(8,259.0)	---	---
FY 15/16 AVERAGE		25,680.8	24,992.5	(688.3)	-2.68%	(840.9)
09/14/16	10/14/16	31,801.0	31,028.0	-773.0	-2.43%	0.0
10/15/16	11/10/16	28,043.3	27,248.6	-794.8	-2.83%	0.0
11/11/16	12/12/16	28,684.0	21,860.1	-7023.9	-24.49%	0.0
12/13/16	01/16/17	30,790.6	22,452.5	-8338.1	-27.06%	0.0
01/17/17	02/12/17	18,044.0	16,113.0	-1931.0	-10.70%	(34.0)
02/13/17	03/13/17	18,721.0	17,255.0	-1466.0	-7.83%	(33.0)
03/14/17	04/16/17	26,383.9	23,623.0	-2760.9	-10.46%	0.0
04/17/17	05/15/17	27,910.0	25,058.5	-2851.5	-10.22%	0.0
05/16/17	06/14/17	25,052.0	26,885.5	1833.5	7.32%	0.0
06/15/17	07/12/17	31,278.0	34,415.0	3137.0	10.03%	(97.0)
07/13/17	08/13/17	41,784.0	41,638.0	-146.0	-0.35%	(176.0)
08/14/17	09/14/17	34,720.0	32,856.0	-1864.0	-5.37%	(66.0)
FY 16/17 TOTALS		343,211.8	320,231.1	(22,980.7)	---	(406.0)
FY 16/17 AVERAGE		28,601.0	26,685.9	(1,915.1)	-6.70%	(33.8)
09/15/17	10/16/17	31,700.0	28,869.0	-2831.0	-8.93%	0.0
10/17/17	11/14/17	24,400.0	25,509.0	1109.0	4.55%	(180.0)
11/15/17	12/13/17	22,230.0	21,855.0	-375.0	-1.69%	(82.0)
12/14/17	01/15/18	23,300.0	21,898.0	-1402.0	-6.02%	(17.0)
01/16/18	02/15/18	19,477.0	19,354.5	-122.5	-0.63%	(146.0)
02/16/18	03/14/18	17,224.6	16,146.5	-1078.1	-6.26%	(146.0)
03/15/18	04/12/18	21,704.1	20,349.0	-1355.1	-6.24%	(17.0)
04/13/18	05/12/18	25,983.0	24,084.0	-1899.0	-7.31%	(257.0)
05/13/18	06/12/18	35,899.6	33,320.0	-2579.6	-7.19%	(54.0)
06/13/18	07/14/18	37,415.6	37,040.0	-375.6	-1.00%	0.0
07/14/18	08/15/18	40,946.0	40,472.0	-474.0	-1.16%	0.0
08/16/18	09/15/18	37,069.5	36,202.0	-867.5	-2.34%	(30.0)
FY 17/18 TOTALS		337,349.4	324,899.0	(12,450.4)	---	(929.0)
FY 17/18 AVERAGE		28,112.5	27,074.9	(1,037.5)	-3.69%	(77.4)
09/16/18	10/16/18	23,960.0	22,494.0	-1466.0	-6.12%	(4.0)
10/17/18	11/14/18	18,717.0	17,780.0	-937.0	-5.01%	(237.0)
11/15/18	12/12/18	18,140.3	17,629.0	-511.3	-2.82%	(137.0)
12/13/18	01/15/19	21,845.5	20,542.0	-1303.5	-5.97%	(30.0)
01/16/19	02/12/19	17,998.0	17,201.4	-796.6	-4.43%	(118.0)
02/13/19	03/13/19	18,711.0	17,926.0	-785.0	-4.20%	(153.0)
03/14/19	04/11/19	22,525.0	20,839.4	-1685.6	-7.48%	(4,566.0)
04/12/19	05/13/19	22,917.0	21,845.0	-1072.0	-4.68%	(14.0)
05/14/19	06/13/19	24,994.9	24,176.0	-818.9	-3.28%	0.0
06/14/19	07/13/19	25,278.8	24,354.0	-924.8	-3.66%	(390.0)
07/14/19	08/12/19	41,973.6	41,629.5	-344.1	-0.82%	(40.0)
08/13/19	09/12/19	45,709.7	45,627.0	-82.7	-0.18%	(40.0)
FY 17/18 TOTALS		302,770.6	292,043.3	(10,727.3)	(0.5)	(5,729.0)
FY 17/18 AVERAGE		25,230.9	24,336.9	(893.9)	(0.0)	(477.4)

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

WELLS BRANCH MUNICIPAL UTILITY DISTRICT
WATER ACCOUNTABILITY CHART

FROM:	TO:	MASTER METER READ (1000 GALS)	BILLING TOTALS (1000 GALS)	FLUSHING OTHER (1000 GALS)	METER READ ADJUSTMENTS (1000 GALS)	ADJUSTED ACCT TOTAL (1000 GALS)	GALLONS UNACCT FOR (1000 GALS)	PERCENT GAIN/LOSS
10/21/05	11/18/05	43,690.0	43,314.0	15.5			-360.5	-0.83%
11/19/05	12/21/05	42,290.0	42,171.0	37.8			-81.2	-0.19%
12/22/05	01/20/06	37,090.0	40,490.0	22.4	2498	37,992.0	3,422.4	9.01%
01/21/06	02/20/06	38,025.0	36,250.0	7	1754	34,496.0	-1,768.0	-5.13%
02/21/06	03/20/06	34,417.0	36,142.0	29.2	1742	34,400.0	1,754.2	5.10%
03/21/06	04/20/06	41,021.0	38,966.0	164.3	34	38,932.0	-1,890.7	-4.86%
04/21/06	05/19/06	39,226.0	37,064.0	149.25	20	37,044.0	-2,012.8	-5.43%
05/20/06	06/20/06	47,455.0 *	54,833.0	112.5	168	54,665.0	7,490.5	13.70%
06/21/06	07/19/06	34,162.0	50,010.0	180	33	49,977.0	16,028.0	32.07%
07/20/06	08/18/06	44,533.0	64,033.0	95.607	715	63,318.0	19,595.6	30.95%
08/19/06	09/21/06	45,809.0	64,369.7	149.94	0	64,369.7	18,710.6	29.07%
09/22/06	10/20/06	30,543.0	46,875.0	9.1	31	46,844.0	16,341.1	34.88%
10/21/06	11/20/06	41,108.0	42,501.4	28.4	90	42,411.40	1,421.8	3.35%
11/21/06	12/20/06	35,760.0	35,634.0	40.7	118	35,516.00	-85.3	-0.24%
12/21/06	01/23/07	37,650.0	36,878.0	35.6	31	36,847.00	-736.4	-2.00%
01/24/07	02/20/07	30,154.0	29,345.0	6.8	7.74	29,337.26	-802.2	-2.73%
02/21/07	03/20/07	33,400.0	30,651.0	9.4	7	30,644.00	-2,739.6	-8.94%
03/21/07	04/20/07	36,310.0	33,476.0	44.1	83	33,393.00	-2,789.9	-8.35%
04/21/07	05/18/07	33,608.0	32,521.0	18.7	5	32,516.00	-1,068.3	-3.29%
05/19/07	06/19/07	36,331.0	40,438.0	8.3	168	40,270.00	4,115.3	10.22%
06/20/07	07/19/07	30,317.0	35,546.0	18.1	48	35,498.00	5,247.1	14.78%
07/20/07	08/17/07	37,513.0	36,672.0	12.6	504	36,168.00	-828.4	-2.29%
08/18/07	09/18/07	45,899.0	42,399.0	39.0	775	41,624.00	-3,461.0	-8.31%
09/19/07	10/17/07	46,054.0	46,465.0	35.5	954	45,511.00	446.5	0.98%
10/18/07	11/20/07	48,716.0	46,748.0	41.4	2467	44,281.00	-1,926.6	-4.35%
11/21/07	12/19/07	35,040.0	33,130.0	39.0	2414	30,716.00	-1,871.0	-6.09%
12/20/07	01/21/08	38,444.0	36,308.0	45.8	645	35,663.00	-2,090.2	-5.86%
01/22/08	02/20/08	32,416.0	31,444.0	39.3	29	31,415.00	-932.7	-2.97%
02/21/08	03/20/08	35,456.0	34,262.0	29.8	1266	32,996.00	-1,164.2	-3.53%
03/21/08	04/21/08	40,097.0	39,616.0	21.2	8	39,608.00	-459.8	-1.16%
04/21/08	05/20/08	38,016.0	36,293.0	93.2	0	36,293.00	-1,629.8	-4.49%
05/21/08	06/19/08	52,214.0	49,716.0	69.8	4	49,712.00	-2,428.2	-4.88%
06/20/08	07/21/08	60,700.0	59,529.0	32.2	0	59,529.00	-1,138.8	-1.91%
07/22/08	08/19/08	56,755.0	57,596.2	23.5	32	57,564.20	864.7	1.50%
08/20/08	09/22/08	61,353.0	61,607.0	35.5	0	61,607.00	289.5	0.47%
09/23/08	10/20/08	50,446.0	49,156.0	10.3	0	49,156.00	-1,279.7	-2.60%
10/21/08	11/20/08	46,027.0	45,956.0	19.0	372	45,584.00	-52.0	-0.11%
11/21/08	12/18/08	34,593.0	33,437.0	85.1	8	33,429.00	-1,071.0	-3.20%
12/19/08	01/20/09	34,982.0	35,769.0	46.8	0	35,769.00	833.8	2.33%
01/21/09	02/20/09	32,127.0	34,606.0	41.2	6	34,600.00	2,520.2	7.28%
02/21/09	03/17/09	31,041.0	29,773.0	62.6	0	29,773.00	-1,205.4	-4.05%
03/18/09	04/16/09	35,662.0	38,476.0	53.8	0	38,476.00	2,867.8	7.45%
04/17/09	05/18/09	45,214.0	44,591.0	74.8	6	44,585.00	-548.2	-1.23%
05/19/09	06/15/09	44,509.0	44,098.0	111.0	-118	43,980.00	-300.1	-0.68%
06/16/09	07/14/09	56,567.0	56,828.0	68.5	-76	56,752.00	329.5	0.58%
07/15/09	08/13/09	62,584.0	62,729.0	120.5	-286	62,443.00	265.5	0.43%
08/14/09	09/14/09	55,129.0	55,524.0	33.2	-511	55,013.12	428.2	0.78%
09/15/09	10/14/09 *	36,141.0	32,741.0	53.6	-132	32,609.00	-3,346.4	-10.26%
10/15/09	11/15/09	37,485.0	38,446.0	74.4	-52	38,394.00	1,035.4	2.70%
11/16/09	12/14/10	31,791.0	30,350.2	47.3	-17	30,333.20	-1,393.5	-4.59%
12/15/10	01/13/10	31,693.0	29,375.0	54.9	-28	29,347.10	-2,263.1	-7.71%
01/14/10	02/14/10	31,650.0	31,469.0	20.0	-77	31,392.00	-161.0	-0.51%
02/15/10	03/14/10	28,380.0	27,671.0	66.7	0	27,671.00	-642.3	-2.32%
03/15/10	04/14/10	34,508.0	33,153.1	26.5	-25	33,128.10	-1,328.4	-4.01%
04/15/10	05/12/10	35,751.0	35,007.9	24.4	-33	34,974.90	-718.7	-2.05%
05/13/10	06/14/10	46,525.0	43,868.0	30.0	-59	43,809.00	-2,627.0	-6.00%
06/15/10	07/14/10	40,851.0	38,551.0	38.3	-4	38,547.00	-2,261.7	-5.87%
07/15/10	08/15/10	48,088.0	49,163.1	27.0	-95	49,068.10	1,102.1	2.25%
08/16/10	09/13/10	46,959.0	43,387.0	301.4	-18	43,369.00	-3,270.7	-7.54%
09/14/10	10/13/10	39,370.0	38,407.0	33.4	-80	38,327.00	-929.6	-2.43%
10/14/10	11/15/10	44,130.0	43,934.0	25.8	-31	43,903.00	-170.3	-0.39%
11/16/10	12/13/10	32,405.0	29,411.0	22.5	-6	29,405.00	-2,971.5	-10.11%
12/14/10	01/12/11	31,871.0	30,053.0	8.3	-15	30,038.00	-1,809.8	-6.02%
01/13/11	02/14/11	33,765.0	32,781.0	12.8	-3	32,778.00	-971.2	-2.96%
02/15/11	03/14/11	31,465.0	29,382.0	23.8	-21	29,361.00	-2,059.2	-7.01%
03/15/11	04/11/11	35,934.0	35,308.0	9.8	-101	35,207.00	-616.2	-1.75%
04/12/11	05/15/11	54,086.0	51,150.0	18.2	-24	51,126.00	-2,917.8	-5.71%
05/16/11	06/13/11	51,714.0	50,888.0	11.4	-10	50,878.00	-814.6	-1.60%
06/14/11	07/13/11	58,662.0	57,319.0	4.8	-7	57,312.00	-1,338.2	-2.33%
07/14/11	08/14/11	69,418.0	69,512.0	72.7	-11	69,501.30	166.7	0.24%
08/15/11	09/12/11	61,441.0	58,795.0	798.4	-21	58,774.00	-1,847.6	-3.14%
09/13/11	10/12/11	49,105.0	44,831.0	13.2	-476	44,355.00	-4,260.8	-9.61%
10/13/11	11/13/11	46,121.0	46,079.0	6.8	0	46,079.00	-35.2	-0.08%
11/14/11	12/13/11	34,494.0	31,967.0	10.1	0	31,967.00	-2,516.9	-7.87%
12/14/11	01/12/12	30,695.0	28,380.0	7.8	-2	28,378.00	-2,307.2	-8.13%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

01/13/12	02/12/12	32,212.0	29,925.0	9.8	-7	29,918.00	-2,277.3	-7.61%
02/13/12	03/12/12	30,286.0	27,520.0	13.4	-1	27,519.00	-2,752.6	-10.00%
03/13/12	04/12/12	35,774.0	32,894.0	7.2	-32	32,862.00	-2,872.8	-8.74%
04/13/12	05/13/12	42,655.0	39,723.3	5.3	-96	39,627.30	-2,926.5	-7.38%
05/14/12	06/12/12	44,814.0	43,488.7	8.7	-5	43,483.70	-1,316.7	-3.03%
06/13/12	07/12/12	48,021.0	46,344.0	73.0	-95	46,249.00	-1,604.1	-3.47%
07/13/12	08/13/12	50,526.0	47,059.0	16.0	-83	46,976.00	-3,451.0	-7.35%
08/14/12	09/12/12	48,424.0	48,844.0	58.1	0	48,844.00	478.1	0.98%
09/13/12	10/11/12	38,359.0	36,955.0	6.8	0	36,955.00	-1,397.3	-3.78%
10/12/12	11/12/12	42,801.0	39,202.0	9.1	0	39,211.09	-3,589.91	-8.39%
11/13/12	12/14/12	40,570.0	35,148.0	9.2	-16	35,141.15	-5,428.85	-13.38%
12/15/12	01/15/13	34,878.0	33,566.2	2.3	-119	33,449.45	-1,428.55	-4.10%
01/16/13	02/13/13	31,149.0	29,382.2	7.2	-453	28,936.35	-2,212.65	-7.10%
02/14/13	03/13/13	31,930.0	29,629.7	14.3	0	29,643.95	-2,286.05	-7.16%
03/14/13	04/11/13	35,267.0	34,318.3	1.9	-100	34,220.18	-1,046.83	-2.97%
04/12/13	05/12/13	37,514.0	36,201.0	7.8	195	36,403.80	-1,110.20	-2.96%
05/13/13	06/11/13	40,366.0	38,316.0	7.3	0	38,323.30	-2,042.70	-5.06%
06/12/13	07/14/13	51,465.0	48,470.0	7.8	-210	48,267.75	-3,197.25	-6.21%
07/15/13	08/12/13 ¹	44,965.0	43,357.0	13.0	0	43,369.95	-1,595.05	-3.55%
08/13/13	09/12/13 ²	53,989.0	49,484.0	3.0	0	49,487.00	-4,502.00	-8.34%
09/13/13	10/13/13	45,056.0	43,599.0	7.8	-245	43,361.75	-1,694.25	-3.76%
10/14/13	11/11/13	33,863.0	32,529.0	7.6	-54	32,482.56	-1,380.44	-4.08%
11/12/13	12/10/13	30,507.0	29,013.0	164.5	-4	29,173.50	-1,333.50	-4.37%
12/11/13	01/13/14	34,645.0	32,943.0	95.0	-17	33,021.00	-1,624.00	-4.69%
01/14/14	02/12/14	30,436.0	27,819.0	54.0	0	27,873.00	-2,563.00	-8.42%
02/13/14	03/11/14	26,031.0	27,743.0	14.5	-36	27,721.50	1,690.50	6.49%
03/12/14	04/10/14	24,715.0	32,337.0	14.5	0	32,351.50	7,636.50	30.90%
04/11/14	05/12/14 ³	31,570.0	37,976.0	14.8	-6	37,984.75	6,414.75	20.32%
05/13/14	06/10/14	34,861.0	35,645.0	32.5	-1,089	34,588.50	-272.50	-0.78%
06/11/14	07/15/14	44,495.0	43,241.0	16.5	0	43,257.50	-1,237.50	-2.78%
07/16/14	08/11/14	35,997.0	36,552.0	17.5	-84	36,485.50	488.50	1.36%
08/12/14	09/11/14	50,153.0	49,917.0	21.5	-67	49,871.50	-281.50	-0.56%
09/12/14	10/12/14	40,498.0	39,314.0	19.5	-18	39,315.50	-1,182.50	-2.92%
10/12/14	11/10/14	36,717.0	36,084.0	58.0	0	36,142.00	-575.00	-1.57%
11/11/14	12/10/14	30,172.0	29,517.0	0.0	-36	29,481.00	-691.00	-2.29%
12/11/14	01/12/15	31,473.0	29,102.0	56.3	0	29,158.30	-2,314.70	-7.35%
01/13/15	02/10/15	27,141.0	26,301.0	48.0	-19	26,330.00	-811.00	-2.99%
02/11/15	03/10/15	26,731.0	26,637.0	51.0	0	26,688.00	-43.00	-0.16%
03/11/15	04/12/15	33,257.0	32,841.0	52.5	0	32,893.50	-363.50	-1.09%
04/13/15	05/11/15	30,267.0	29,242.0	49.0	0	29,291.00	-976.00	-3.22%
05/12/15	06/11/15	32,212.0	31,392.0	48.0	-34	31,406.00	-806.00	-2.50%
06/12/15	07/12/15	36,538.0	34,825.0	71.0	-49	34,847.00	-1,691.00	-4.63%
07/13/15	08/11/15	47,433.0	46,791.0	91.0	0	46,882.00	-551.00	-1.16%
08/12/15	09/10/15	52,773.0	51,279.0	48.0	-14	51,313.00	-1,460.00	-2.77%
09/11/15	10/11/15	50,446.0	49,532.0	48.0	-10	49,570.00	-876.00	-1.74%
10/12/15	11/10/15	40,130.0	38,743.0	52.5	0	38,795.50	-1,334.50	-3.33%
11/11/15	12/09/15	31,899.0	30,737.0	48.0	-43	30,742.00	-1,157.00	-3.63%
12/10/15	01/12/16	34,918.0	32,633.0	48.0	-22	32,659.00	-2,259.00	-6.47%
01/13/16	02/09/16	28,762.0	26,888.0	1063.0 *	-35	27,916.00	-846.00	-2.94%
02/10/16	03/09/16	29,957.0	31,077.0	39.0	-13	31,103.00	1,146.00	3.83%
03/10/16	04/11/16	37,543.0	35,590.0	59.5	-21	35,628.50	-1,914.50	-5.10%
04/12/16	05/10/16	33,032.0	31,330.0	49.5	-39	31,340.50	-1,691.50	-5.12%
05/11/16	06/12/16	38,329.0	36,582.0	49.5	-26	36,605.50	-1,723.50	-4.50%
06/13/16	07/13/16	44,473.0	43,306.0	51.0	-14	43,343.00	-1,130.00	-2.54%
07/14/16	08/11/16	49,591.0	49,751.0	94.5	-14	49,831.50	240.50	0.48%
08/12/16	09/12/16	43,408.0	44,595.0	19.5	-33	44,581.50	1,173.50	2.70%
09/13/16	10/11/16	40,999.0	38,687.0	71.0	-37	38,721.00	-2,278.00	-5.56%
10/12/16	11/09/16	38,372.0	41,605.0	36.0	-52	41,589.00	3,217.00	8.38%
11/10/16	12/11/16	37,738.0	39,315.0	48.0	-3,064	36,299.00	-1,439.00	-3.81%
12/12/16	01/13/17	36,015.0	34,780.0	64.5	-20	34,824.50	-1,190.50	-3.31%
01/14/17	02/13/17	29,152.0	30,239.0	40.5	-26	30,253.50	1,101.50	3.78%
02/14/17	03/12/17	29,768.0	29,768.0	79.5	-1,140	28,707.50	-1,060.50	-3.56%
03/13/17	04/11/17	35,439.0	33,178.0	30.0	0	33,208.00	-2,231.00	-6.30%
04/12/17	05/11/17	38,020.0	36,723.0	45.0	-6	36,762.00	-1,258.00	-3.31%
05/12/17	06/12/17	41,602.0	40,755.0	54.0	-25	40,784.00	-818.00	-1.97%
06/13/17	07/11/17	46,642.0	44,950.0	57.0	-49	44,958.00	-1,684.00	-3.61%
07/12/17	08/10/17	51,247.0	51,929.0	58.0	-109	51,878.00	631.00	1.23%
08/11/17	09/12/17	50,573.0	49,990.0	103.5	-169	49,924.50	-648.50	-1.28%
09/13/17	10/11/17	41,271.0	40,345.0	0.0	-148	40,197.00	-1,074.00	-2.60%
10/12/17	11/09/17	37,201.0	35,954.0	67.2	-184	35,837.20	-1,363.80	-3.67%
11/10/17	12/11/17	37,677.0	35,282.0	17.9	-67	35,232.90	-2,444.10	-6.49%
12/12/17	01/12/18	34,164.0	32,417.0	17.0	-32	32,402.00	-1,762.00	-5.16%
01/13/18	02/12/18	32,109.3	31,394.0	17.0	-109	31,302.00	-807.30	-2.51%
02/13/18	03/12/18	27,902.0	26,805.0	59.0	-381	26,483.00	-1,419.00	-5.09%
03/13/18	04/10/18	32,614.0	32,461.0	274.0	-129	32,606.00	-8.00	-0.02%
04/11/18	05/10/18	37,485.0	38,684.0	17.6	-294	38,407.60	922.60	2.46%

PUC DOCKET NO. 49189
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

05/11/18	06/11/18	45,611.0	41,127.0	1039.0	-451	41,715.00	-3,896.00	-8.54%
06/12/18	07/11/18	43,448.9	42,151.0	163.0	-71	42,243.00	-1,205.90	-2.78%
07/12/18	08/12/18	54,439.0	53,035.0	170.0	-38	53,167.00	-1,272.00	-2.34%
08/13/18	09/12/18	50,149.2	47,113.0	182.0	-38	47,257.00	-2,892.20	-5.77%
09/13/18	10/10/18	35,762.0	34,183.0	176.0	-43	34,316.00	-1,446.00	-4.04%
10/11/18	11/12/18	33,081.7	31,963.0	176.0	-50	32,089.00	-992.70	-3.00%
11/13/18	12/11/18	30,501.5	29,470.0	186.0	-58	29,598.00	-903.50	-2.96%
12/12/18	01/14/19	34,217.8	31,699.0	101.7	-21	31,779.70	-2,438.10	-7.13%
01/15/19	02/11/19	27,154.0	26,696.0	3.0	-90	26,609.00	-545.00	-2.01%
02/12/19	03/12/19	28,961.0	27,961.0	294.0	-26	28,229.00	-732.00	-2.53%
03/13/19	04/12/19	30,399.0	29,905.0	255.0	-848	29,312.00	-1,087.00	-3.58%
04/13/19	05/10/19	36,619.0	35,476.0	438.0	-47	35,867.00	-752.00	-2.05%
05/11/19	06/10/19	39,147.6	36,945.0	300.0	-5	37,240.00	-1,907.60	-4.87%
06/11/19	07/11/19	39,736.0	36,618.0	51.0	-21	36,648.00	-3,088.00	-7.77%
07/12/19	08/09/19	45,639.3	43,830.0	30.0	432	44,292.00	-1,347.30	-2.95%
08/10/19	09/10/19	56,110.0	54,368.0	51.0	-17	54,402.00	-1,708.00	-3.04%

3 MONTH TOTAL	141,485.3	134,816.0	132.0	394.0	135,342.0	-6,143.3	---
3 MONTH AVG	15,720.6	14,979.6	14.7	43.8	15,038.0	-682.6	-4.34%

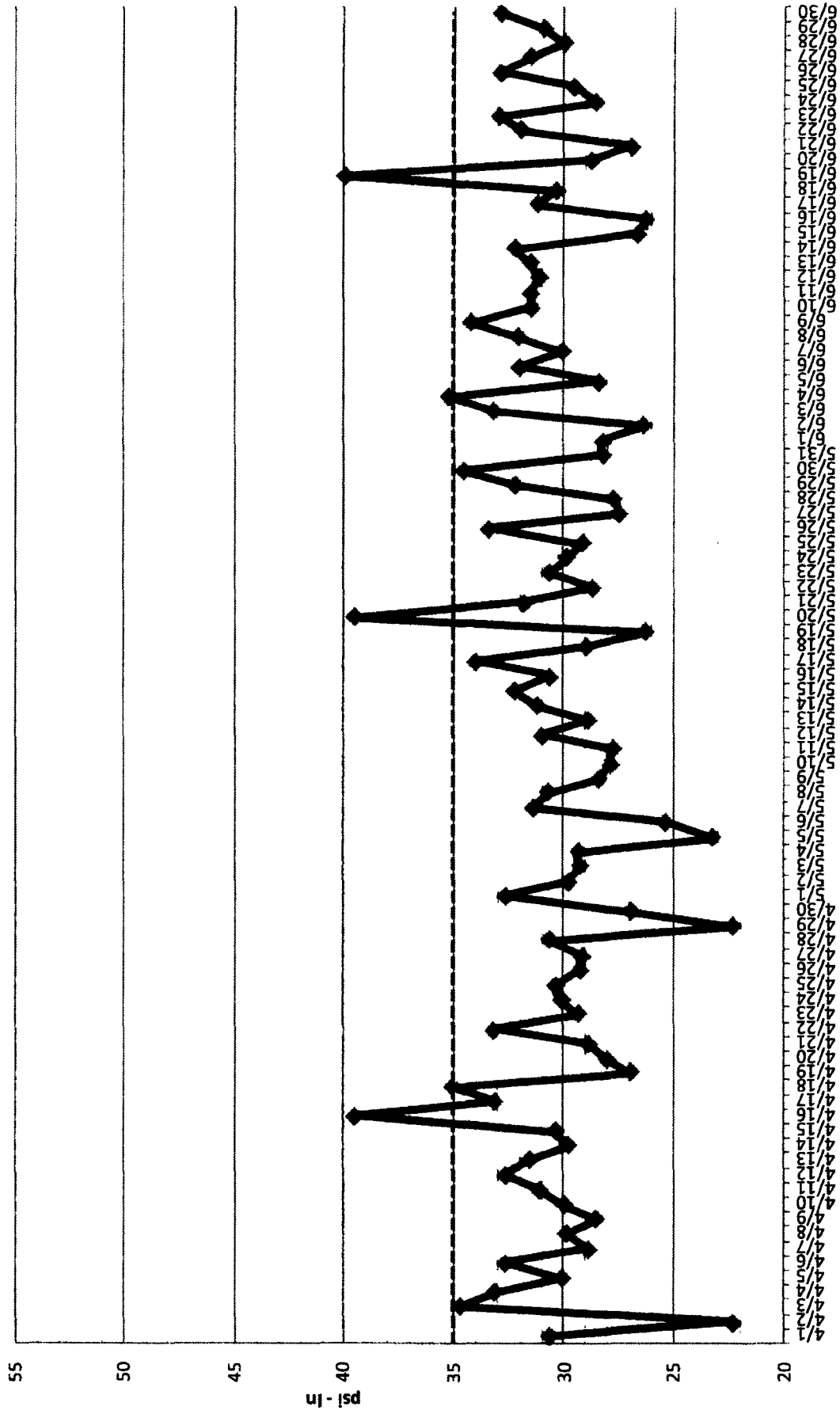
2019 TOTAL	401,566.9	384,931.0	1,885.7	-751.0	386,065.7	-15,501.2	---
2019 MONTHLY AVG	36,506.1	34,993.7	171.4	-68.3	35,096.9	-1,409.2	-3.86%

2018 TOTAL	468,562.4	450,606.0	2,199.7	-1,837.0	450,968.7	-17,593.7	---
2018 MONTHLY AVG	39,046.9	37,550.5	183.3	-153.1	37,580.7	-1,466.1	-3.75%

2017 TOTAL	475,839.0	473,577.0	616.0	-4,808.0	469,385.0	-6,454.0	---
2017 MONTHLY AVG	39,653.3	39,464.8	51.3	-400.7	39,115.4	-537.8	0.0%

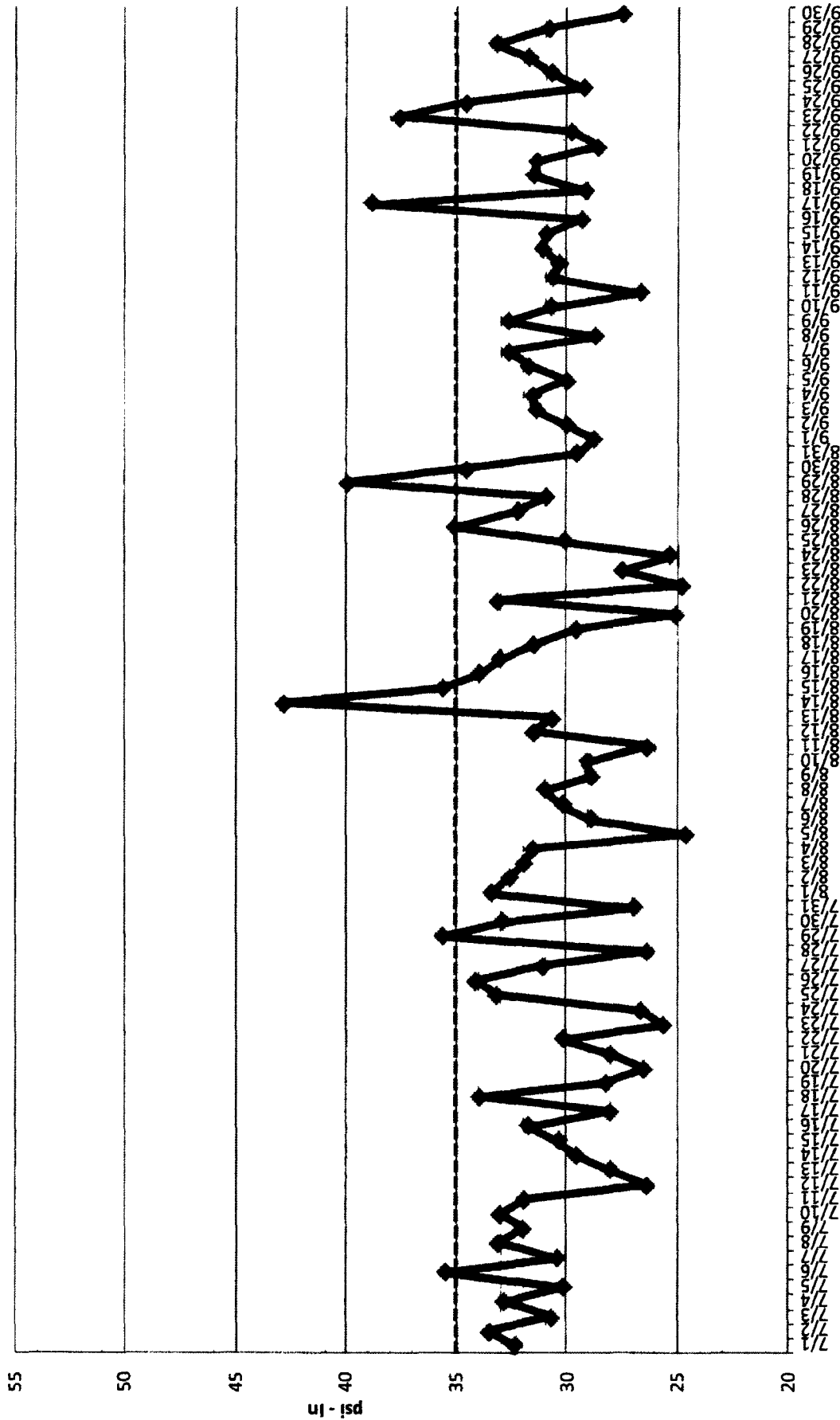
2016 TOTAL	453,041.0	439,919.0	1,645.0	-297.0	441,267.0	-11,774.0	---
2016 MONTHLY AVG	37,753.4	36,659.9	137.1	-24.8	36,772.3	-981.2	-2.60%

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



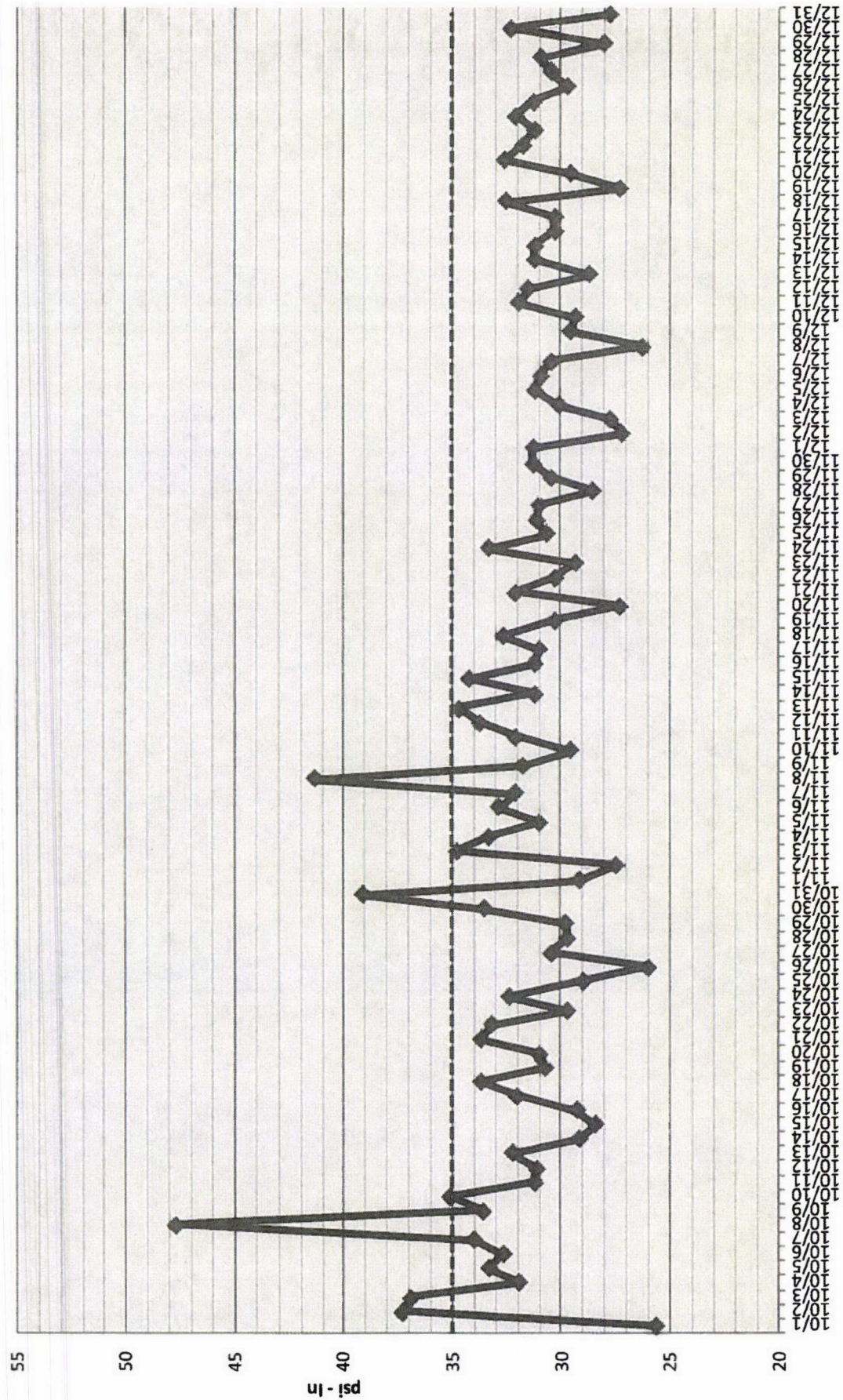
April, May, June 2014

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



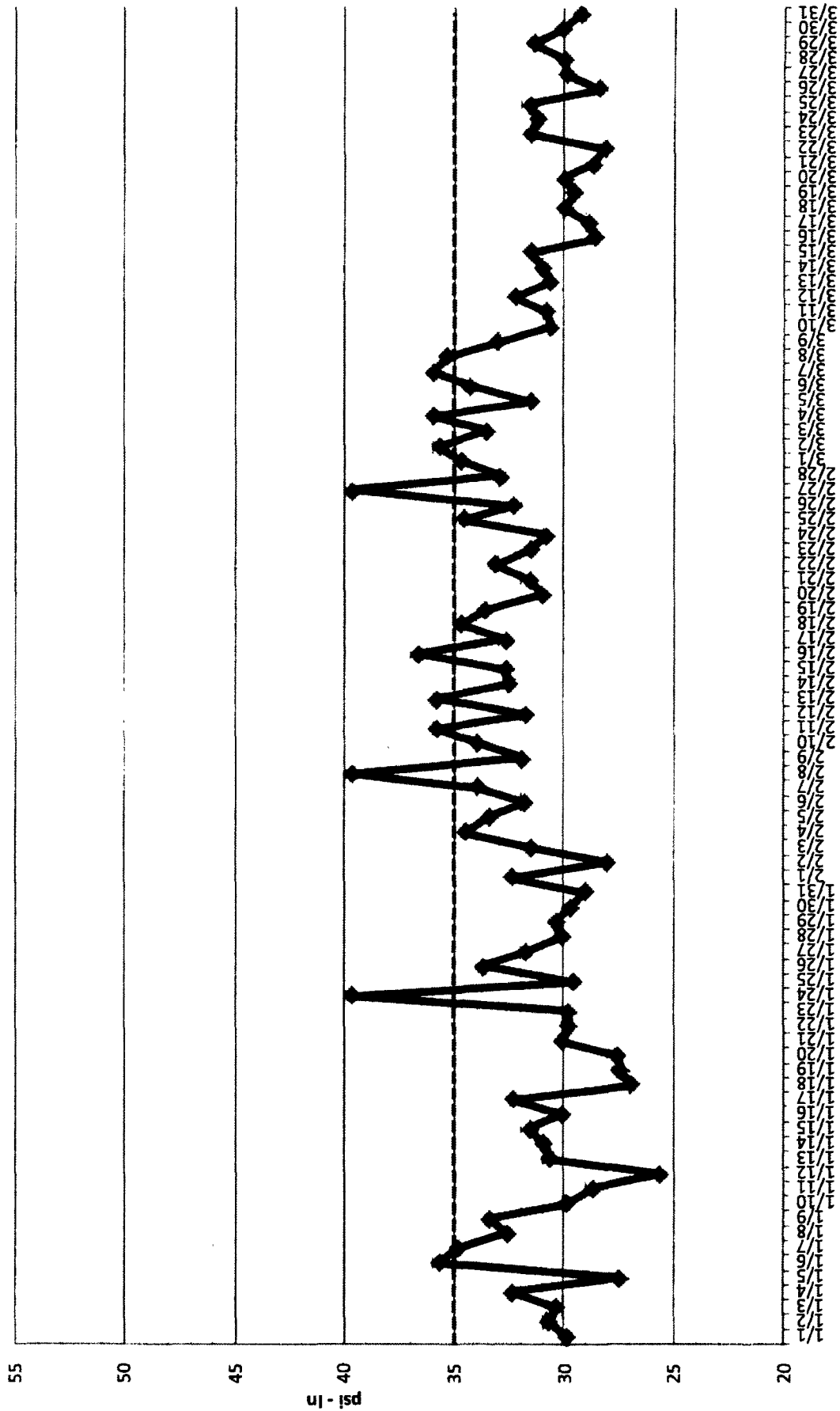
July, August, September 2014

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



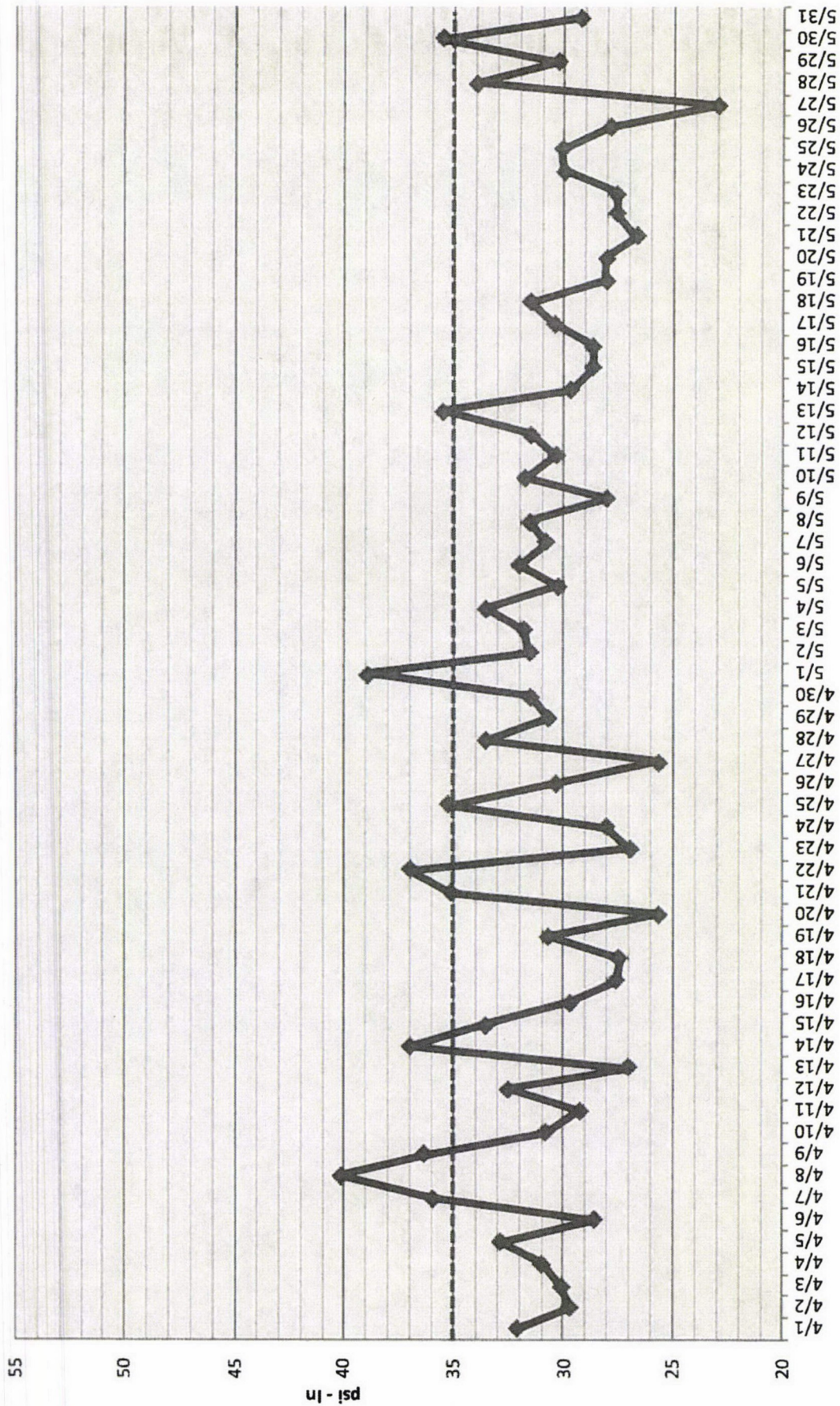
October, November, December 2014

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



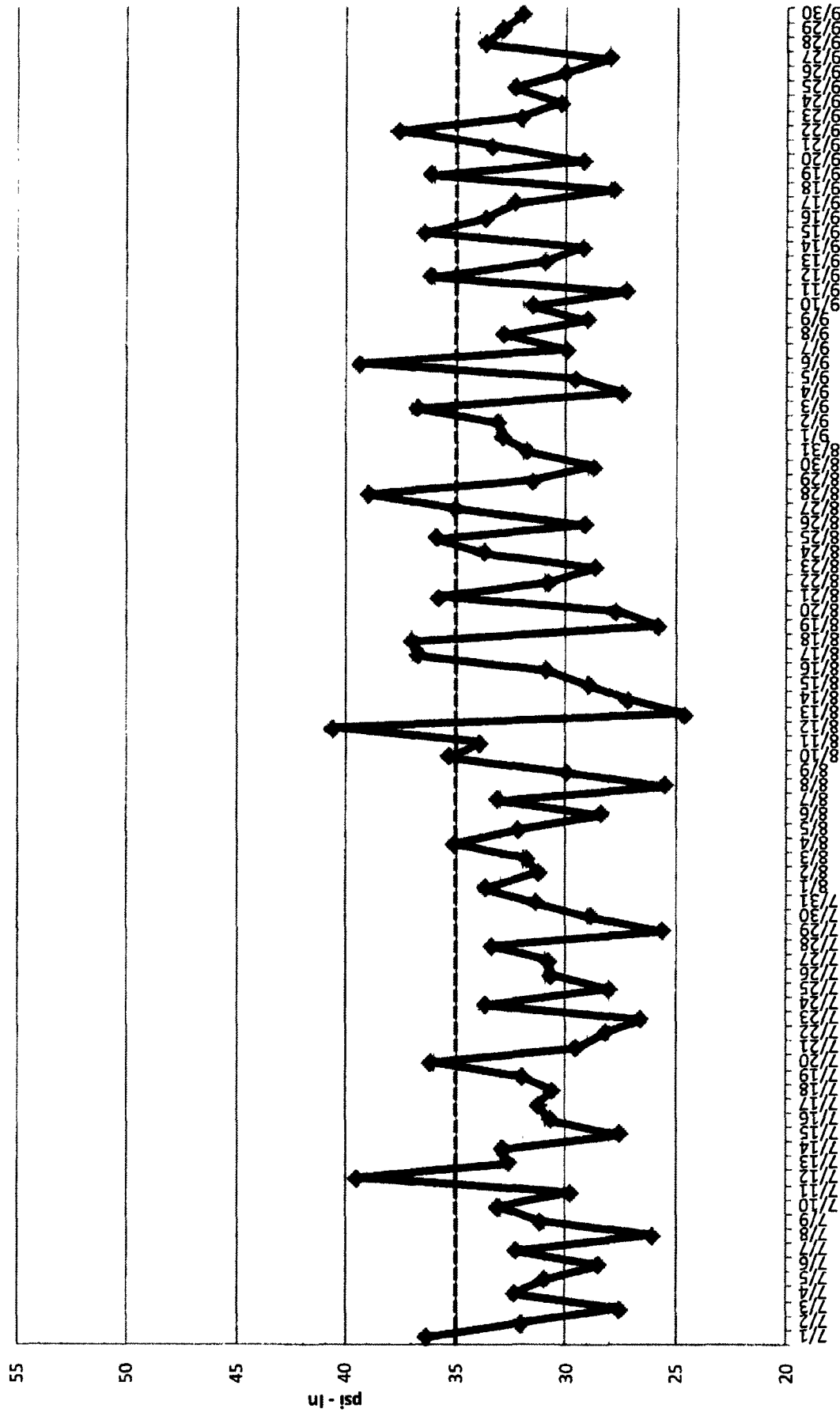
January, February, March 2015

**Travis County WC&ID #10
Red Bud Pump Station Pressure Readings**



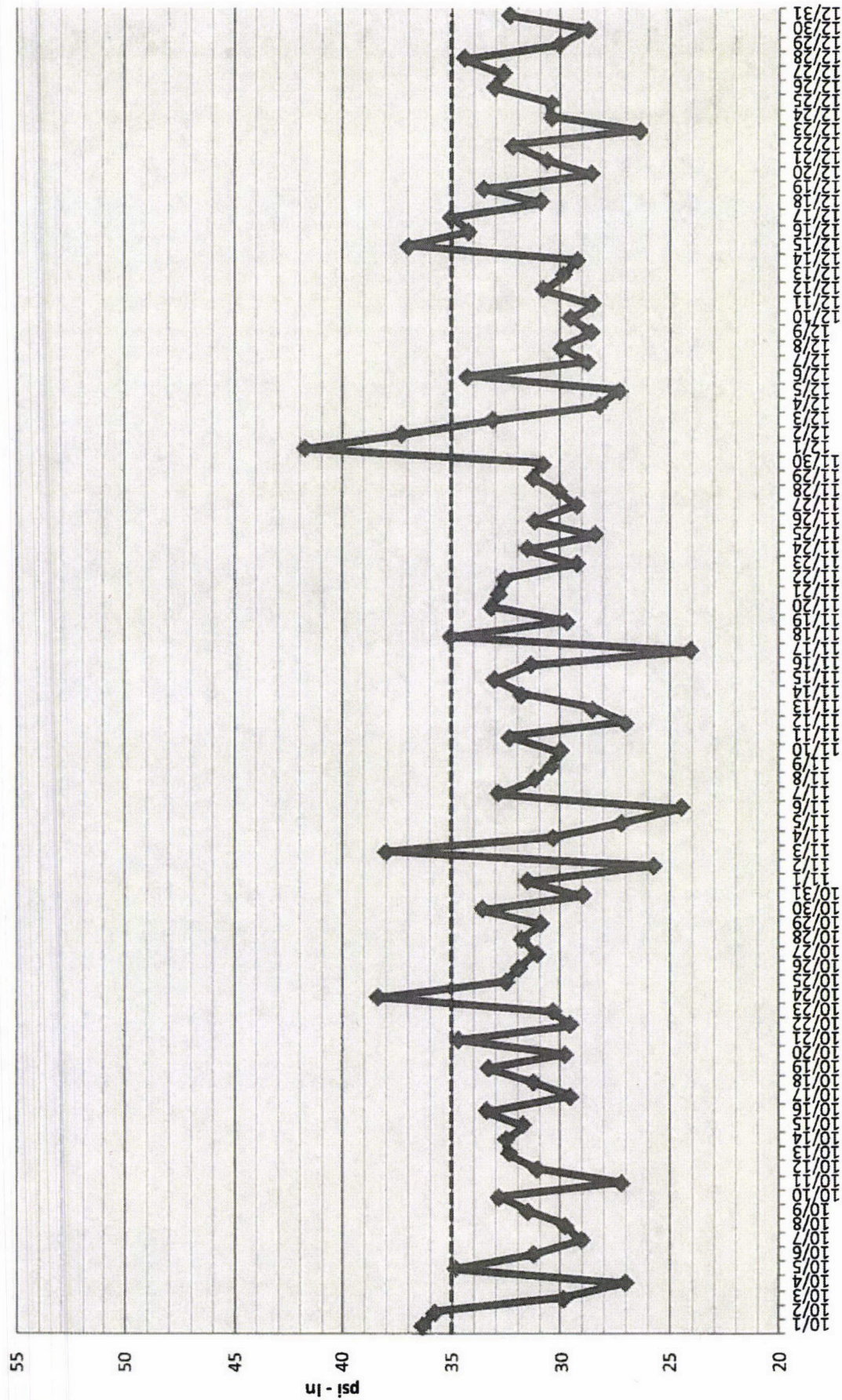
April, May, June 2015

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



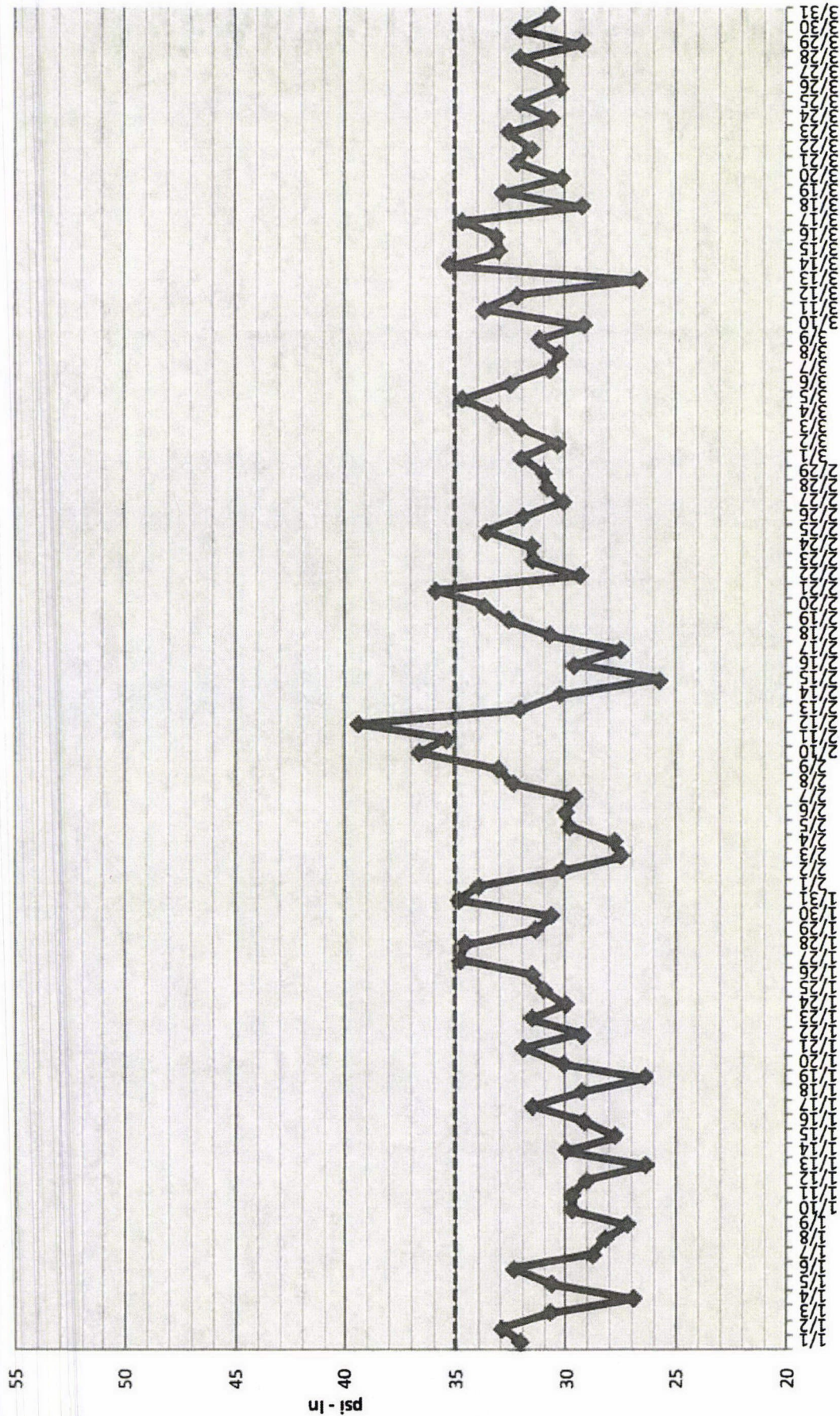
July, August, September 2015

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



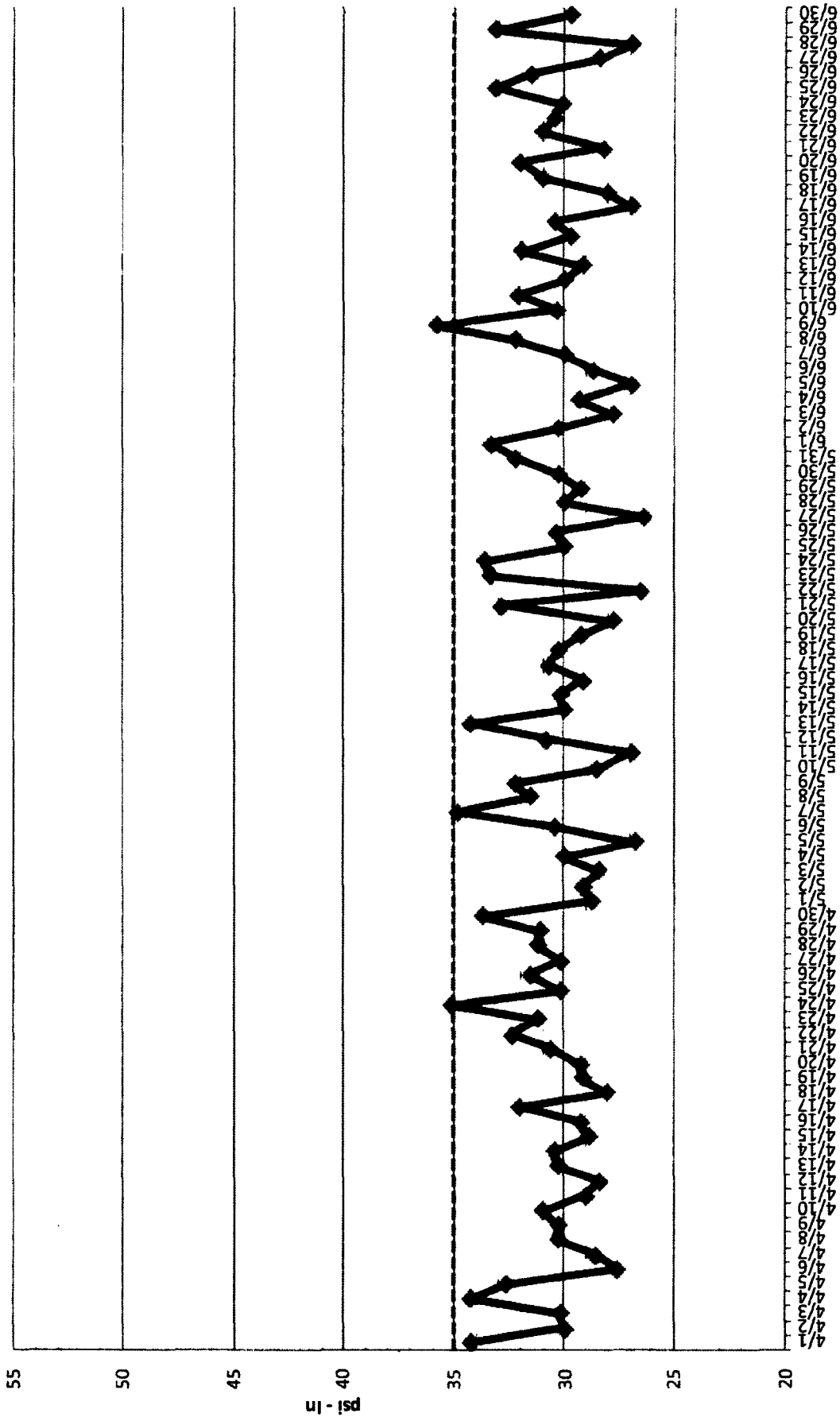
October, November, December 2015

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



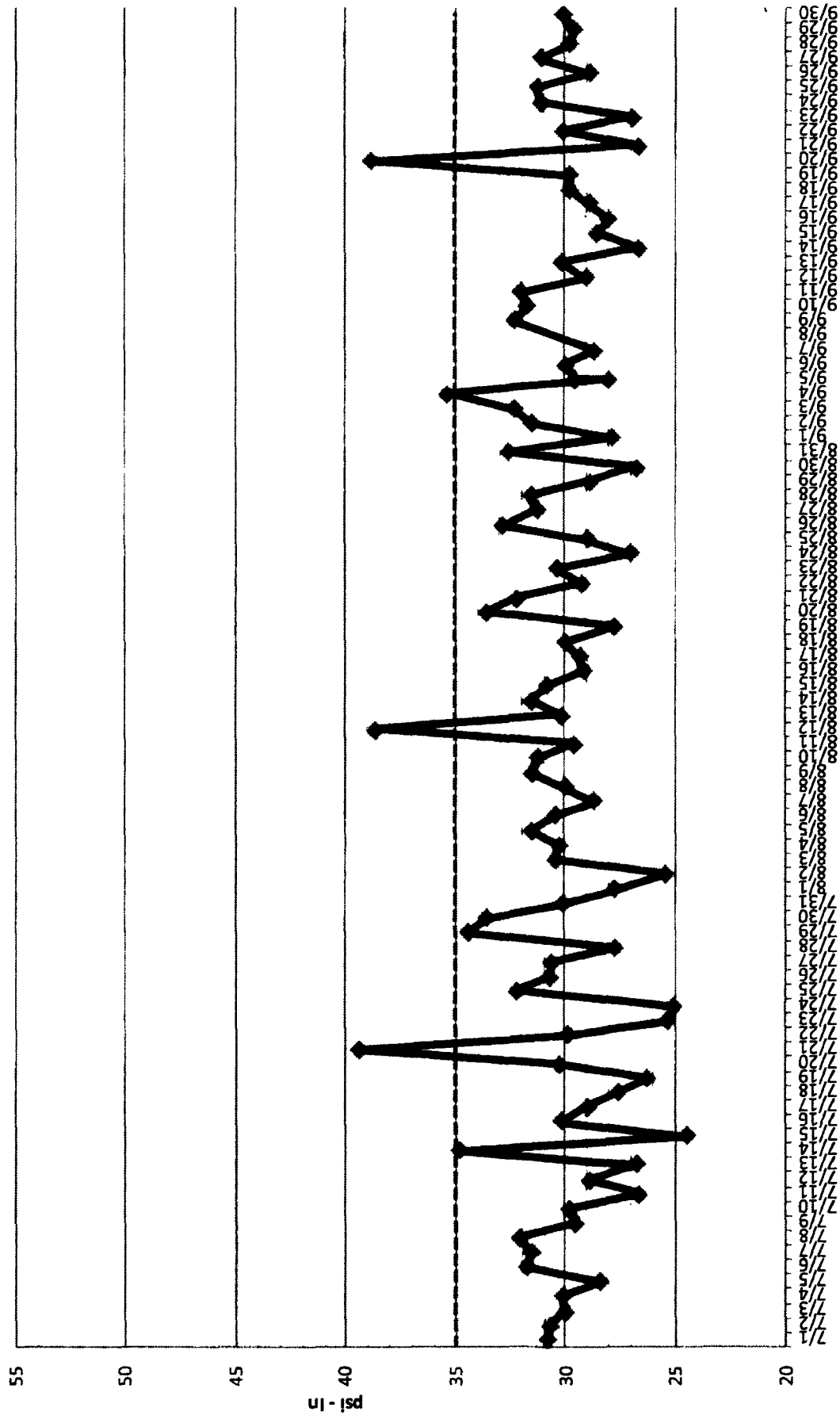
January, February, March 2016

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



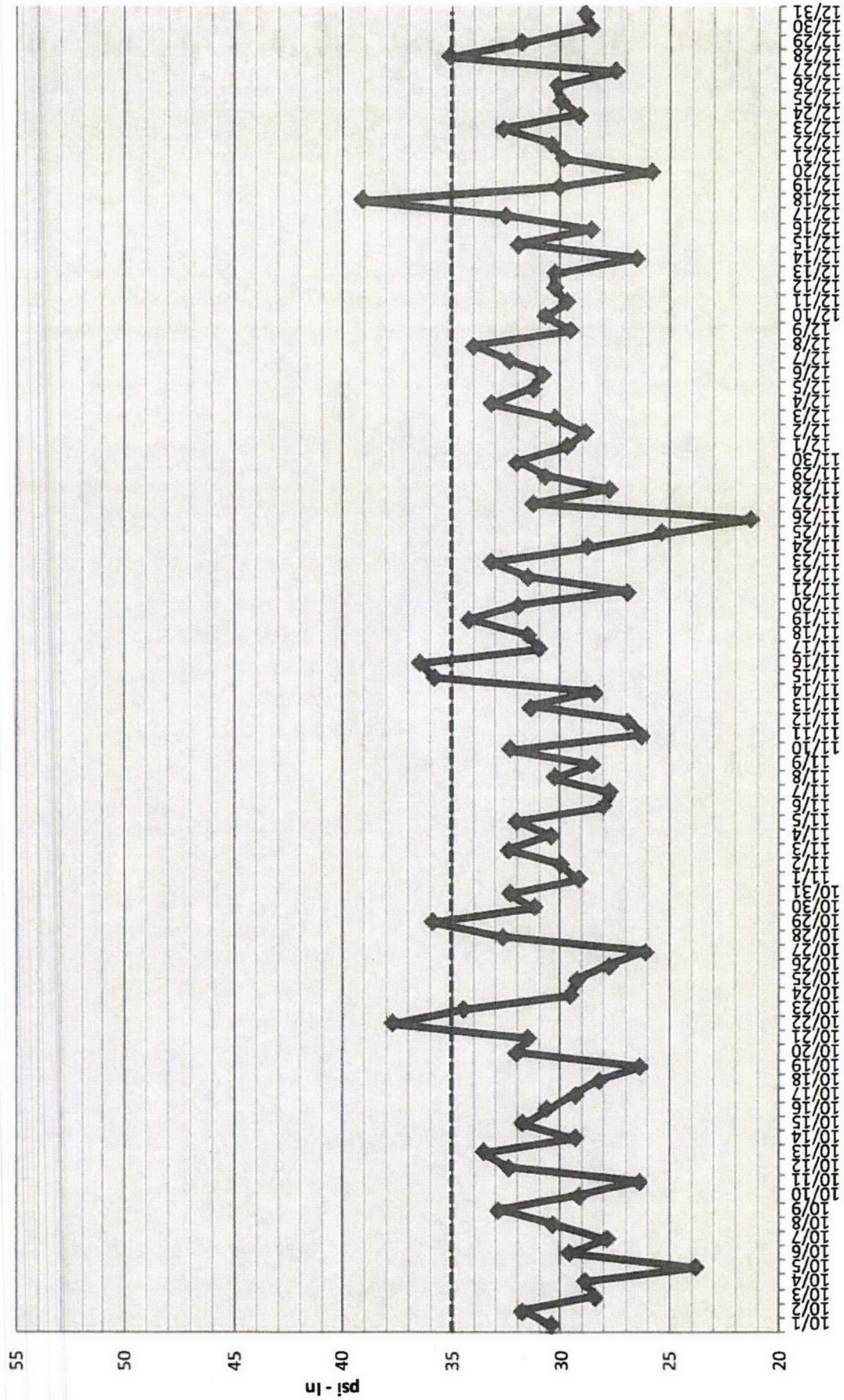
April, May, June 2016

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



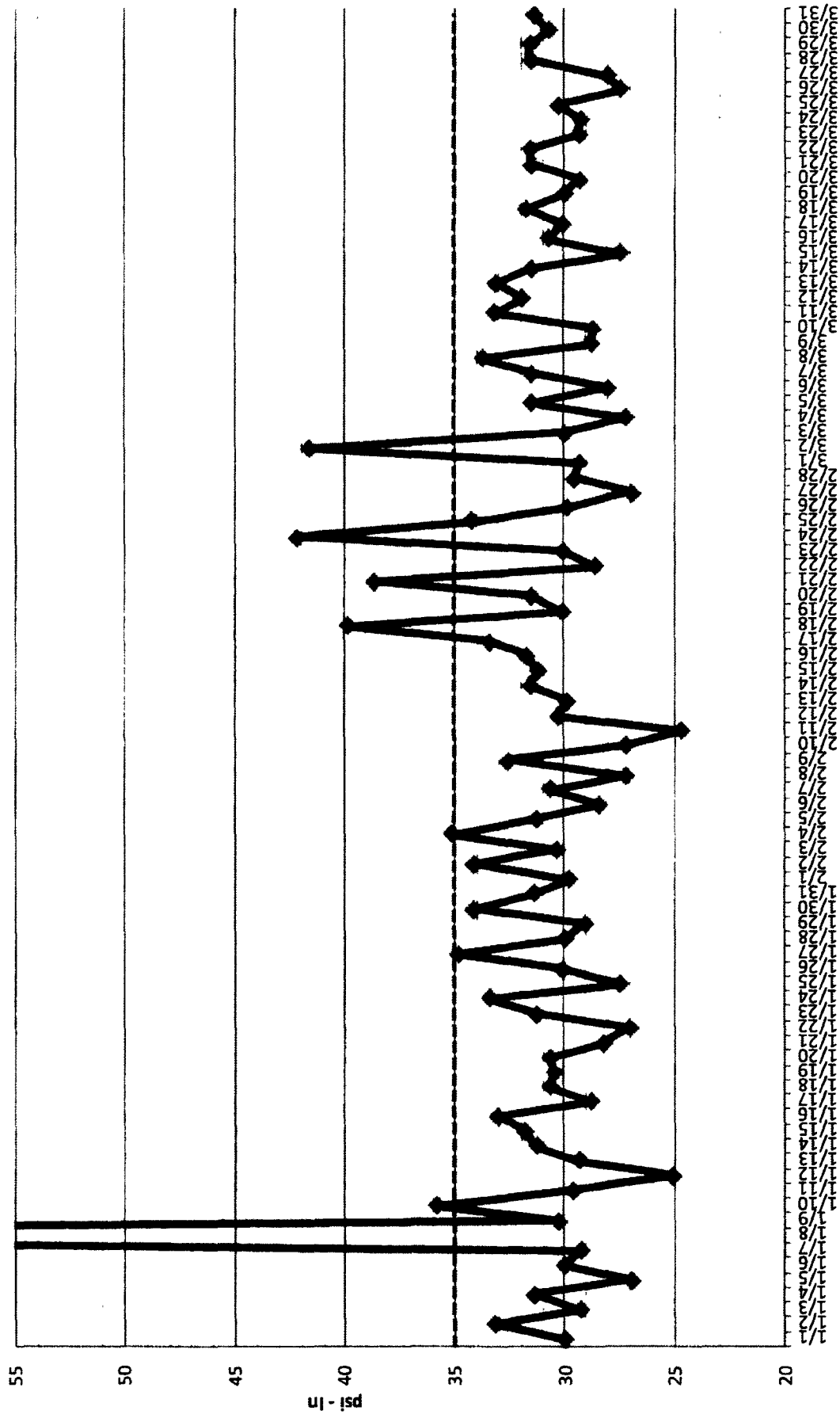
July, August, September 2016

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



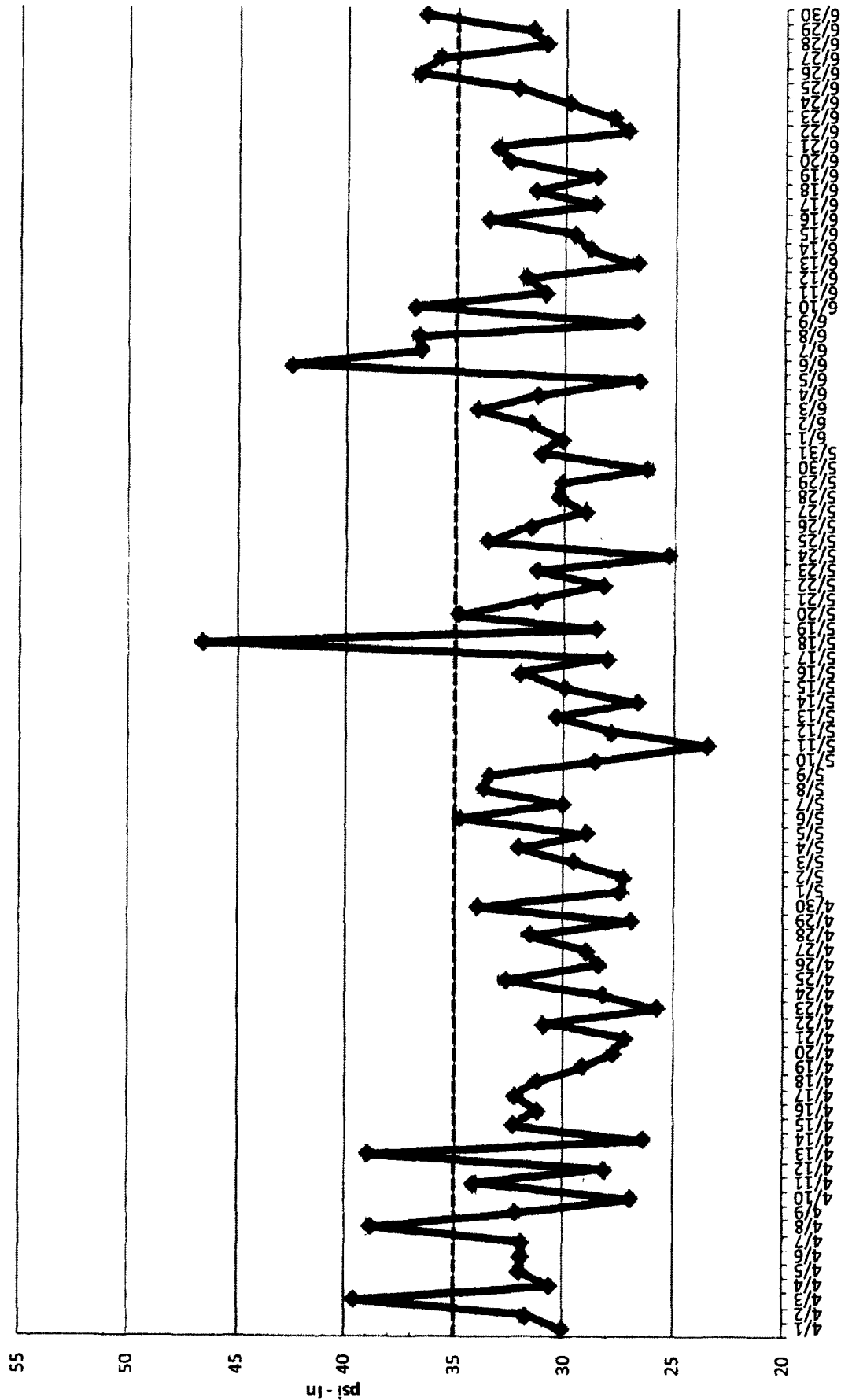
October, November, December 2016

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



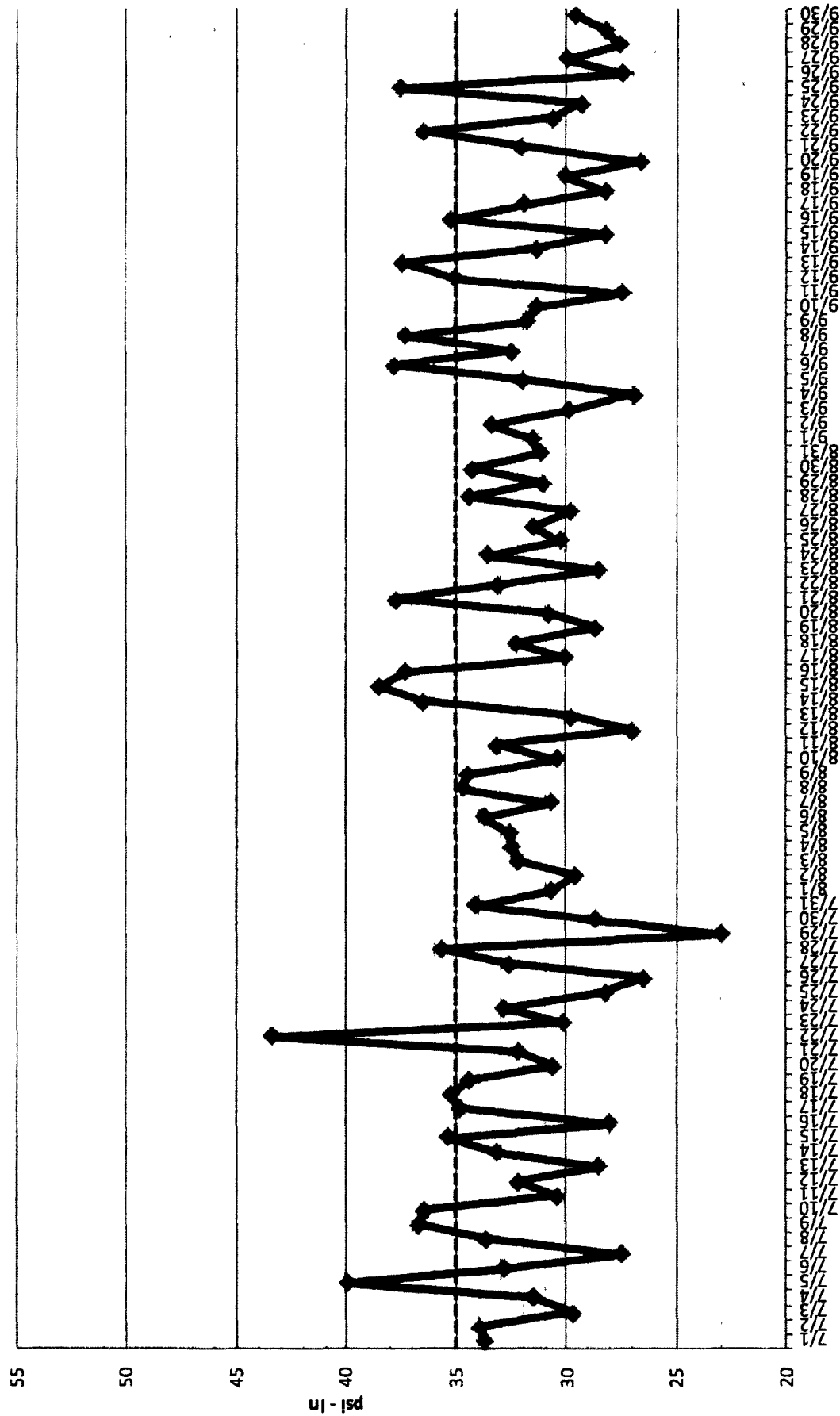
January, February, March 2017

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



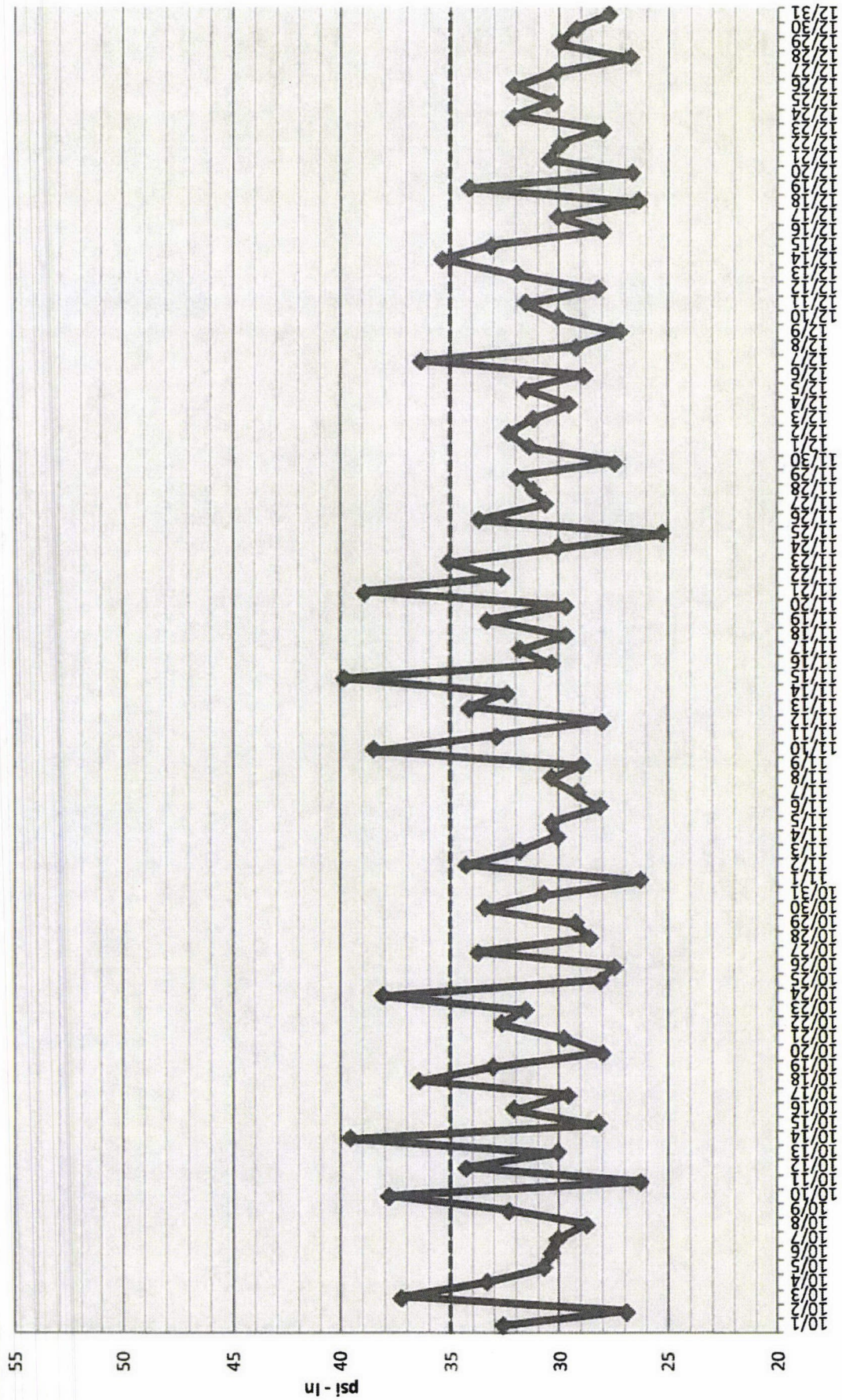
April, May, June 2017

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



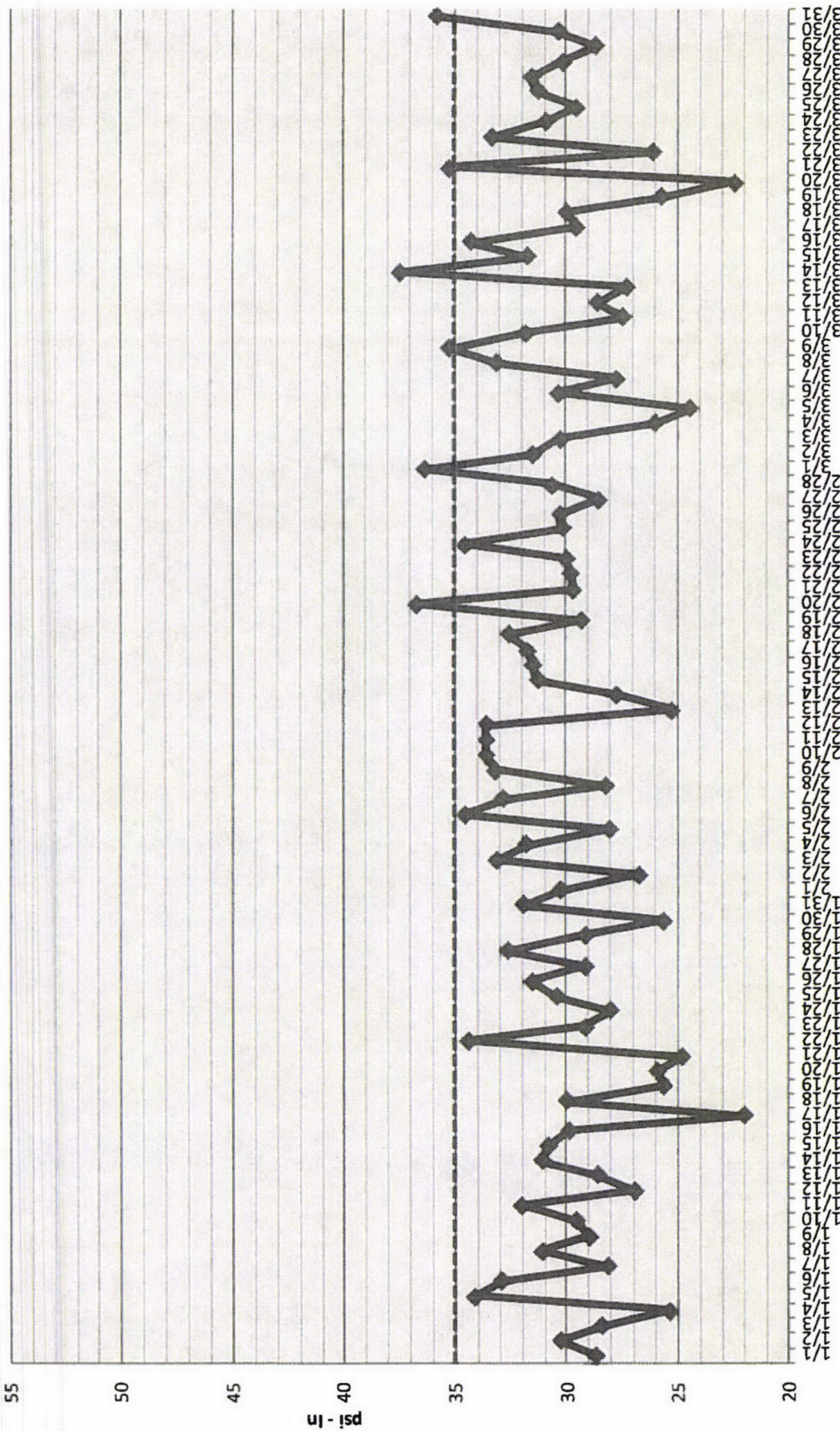
July, August, September 2017

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



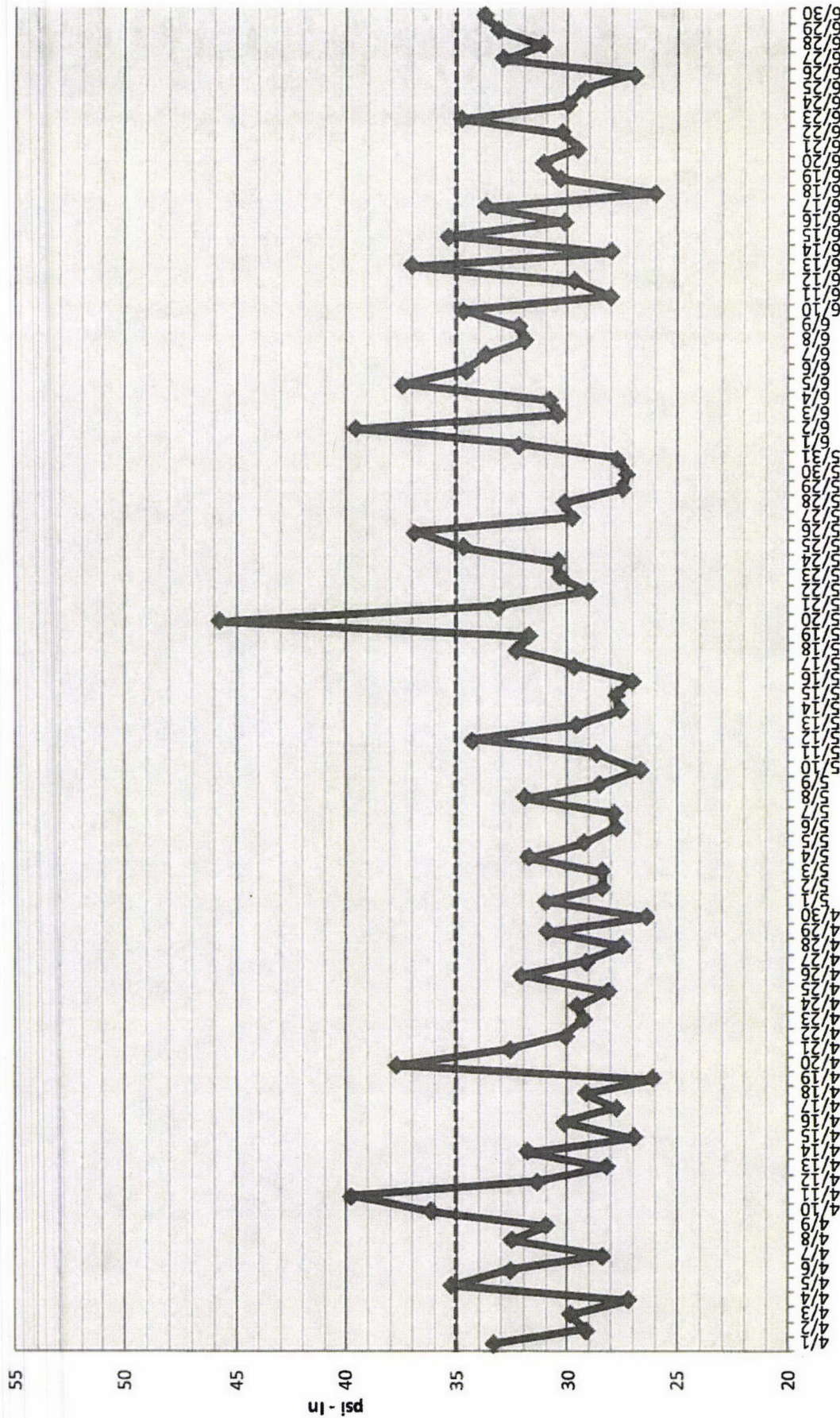
October, November, December 2017

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



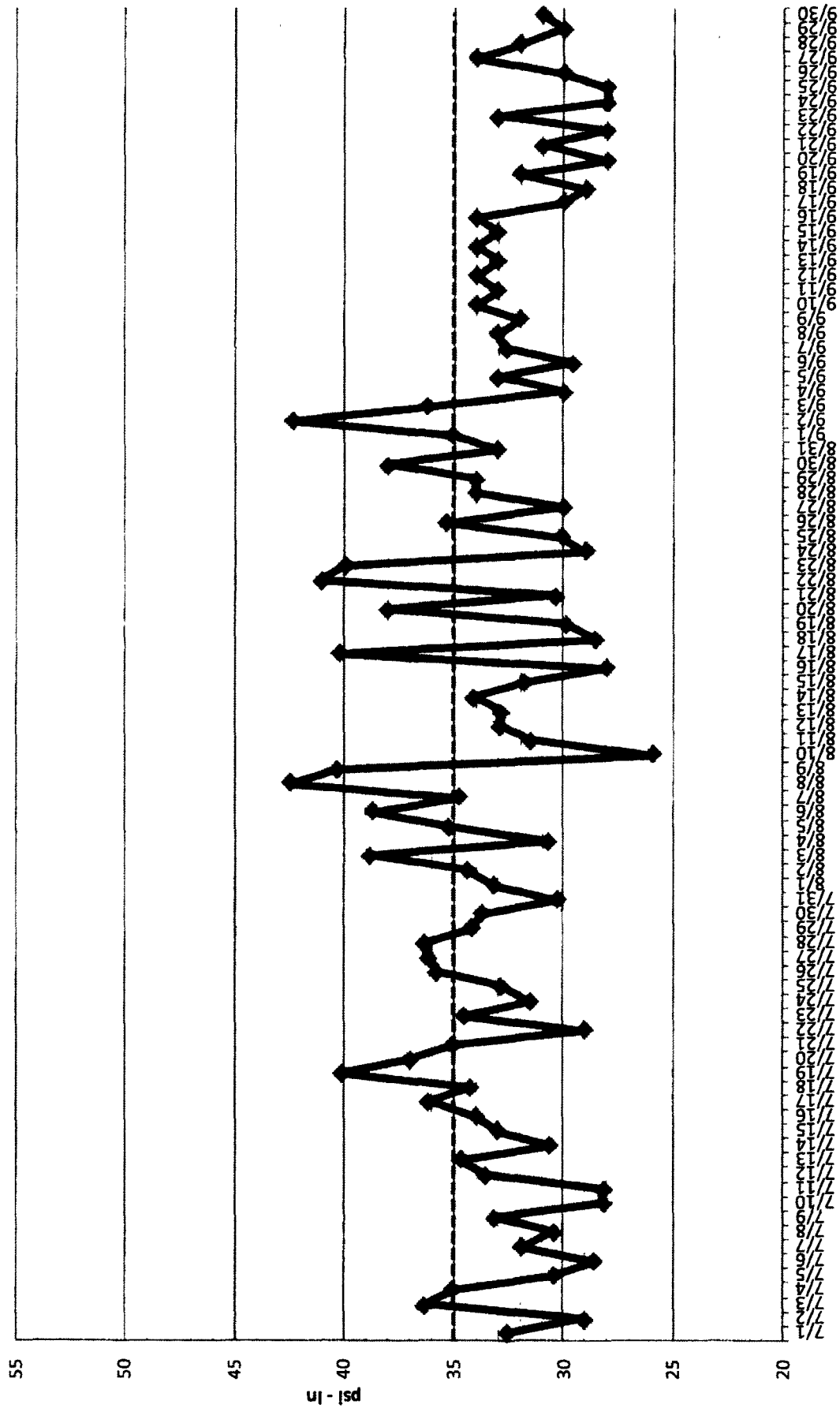
January, February, March 2018

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



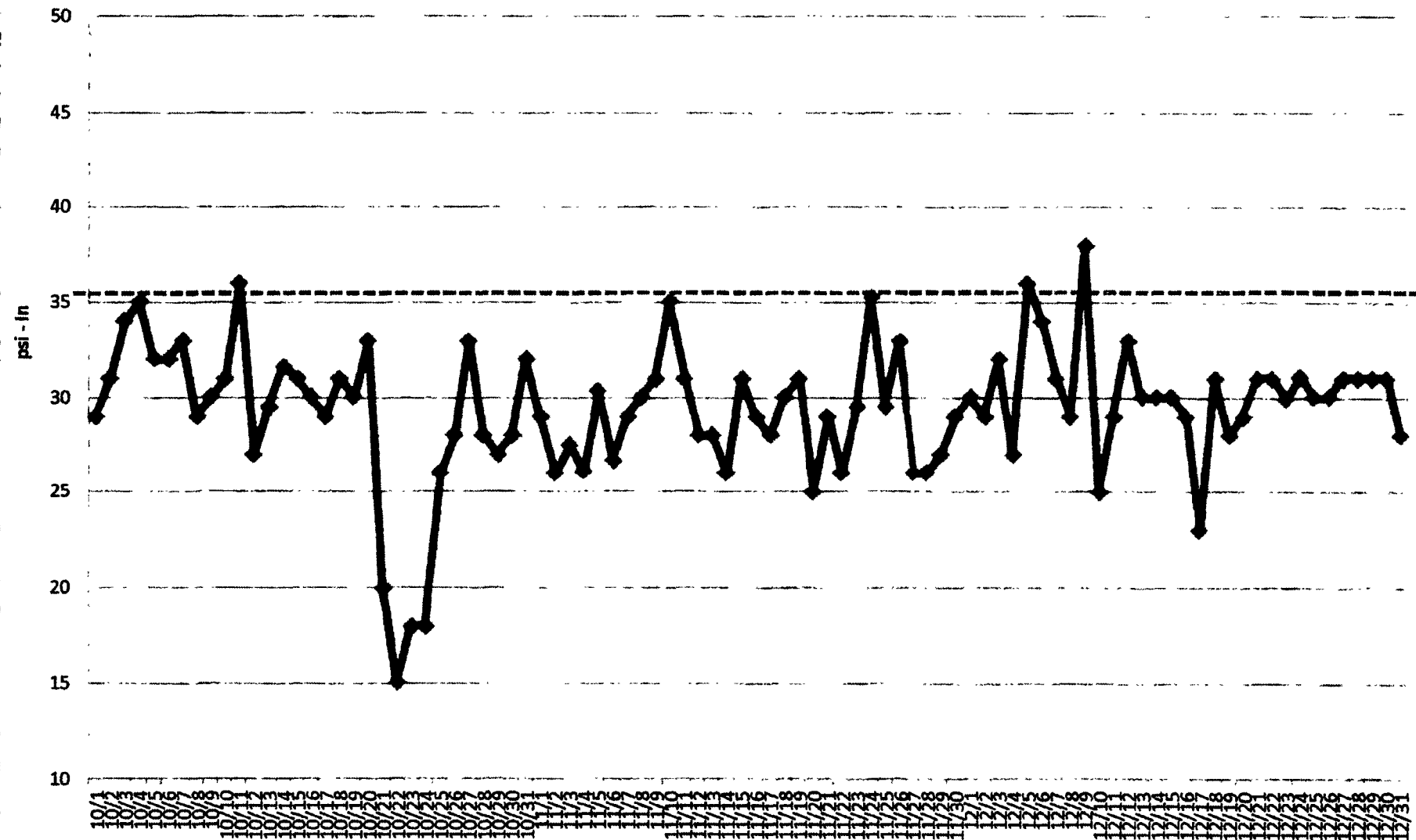
April, May, June 2018

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



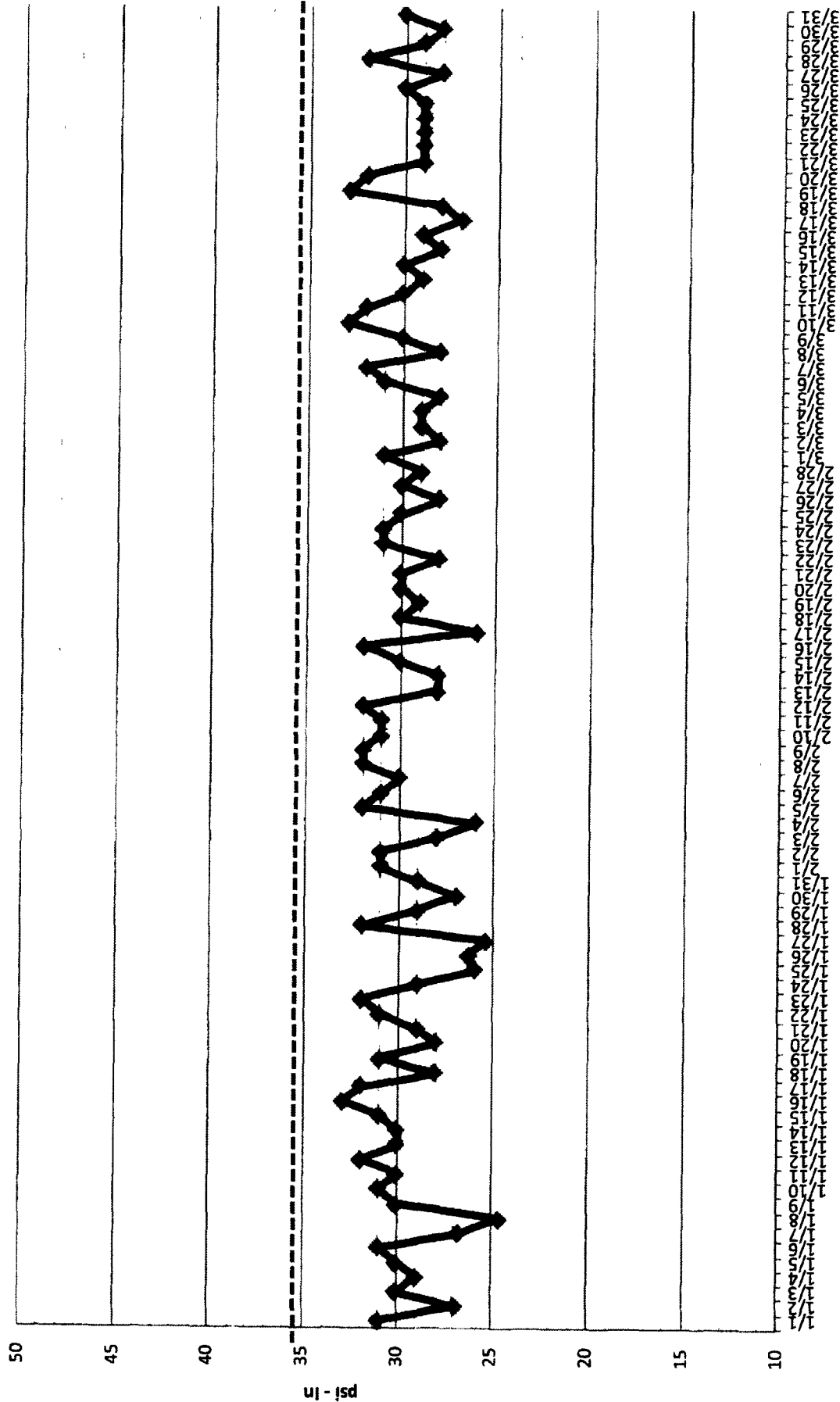
July, August, September 2018

**Travis County WC&ID #10
Red Bud Pump Station Pressure Readings**



October, November, December 2018

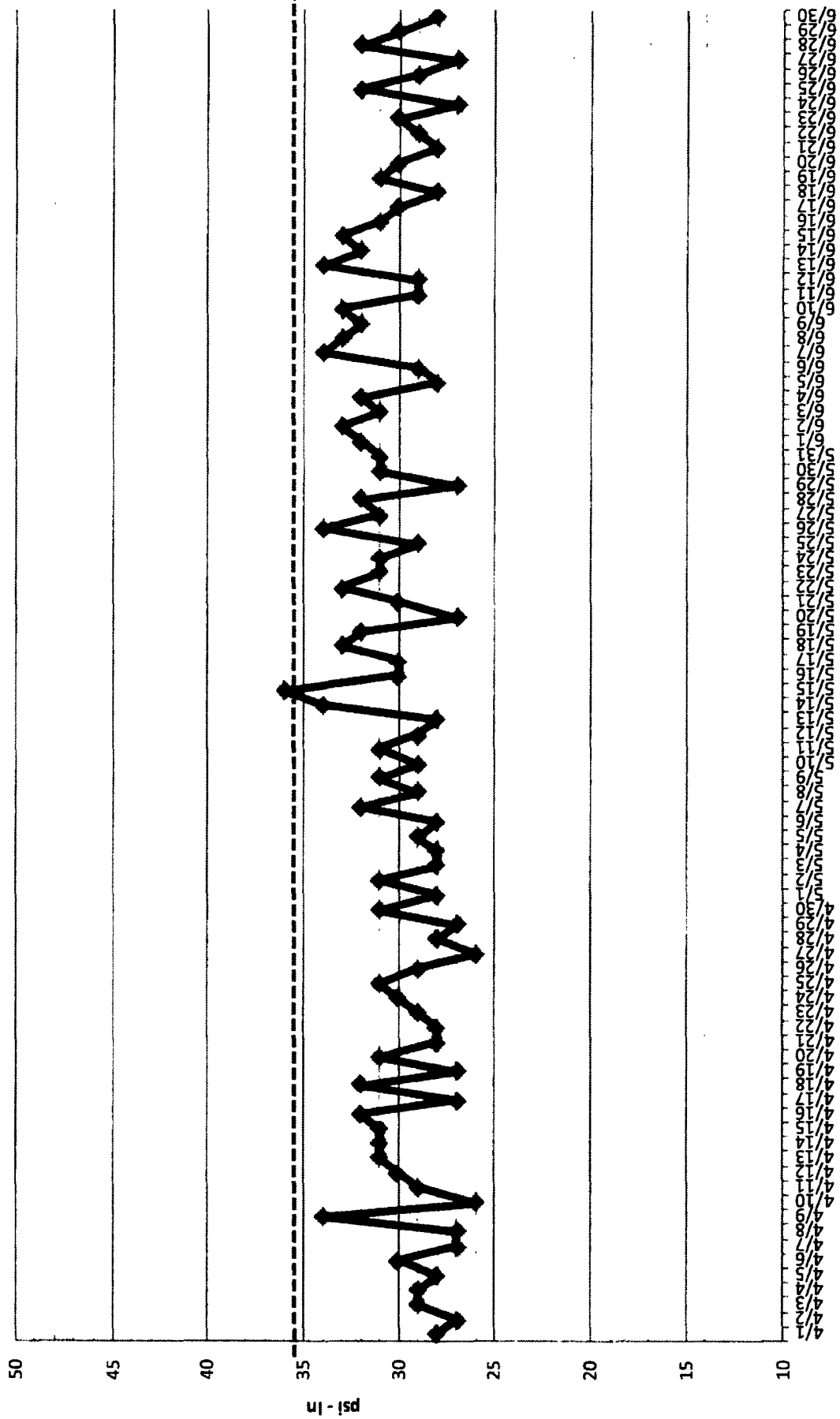
Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



January, February, March 2019

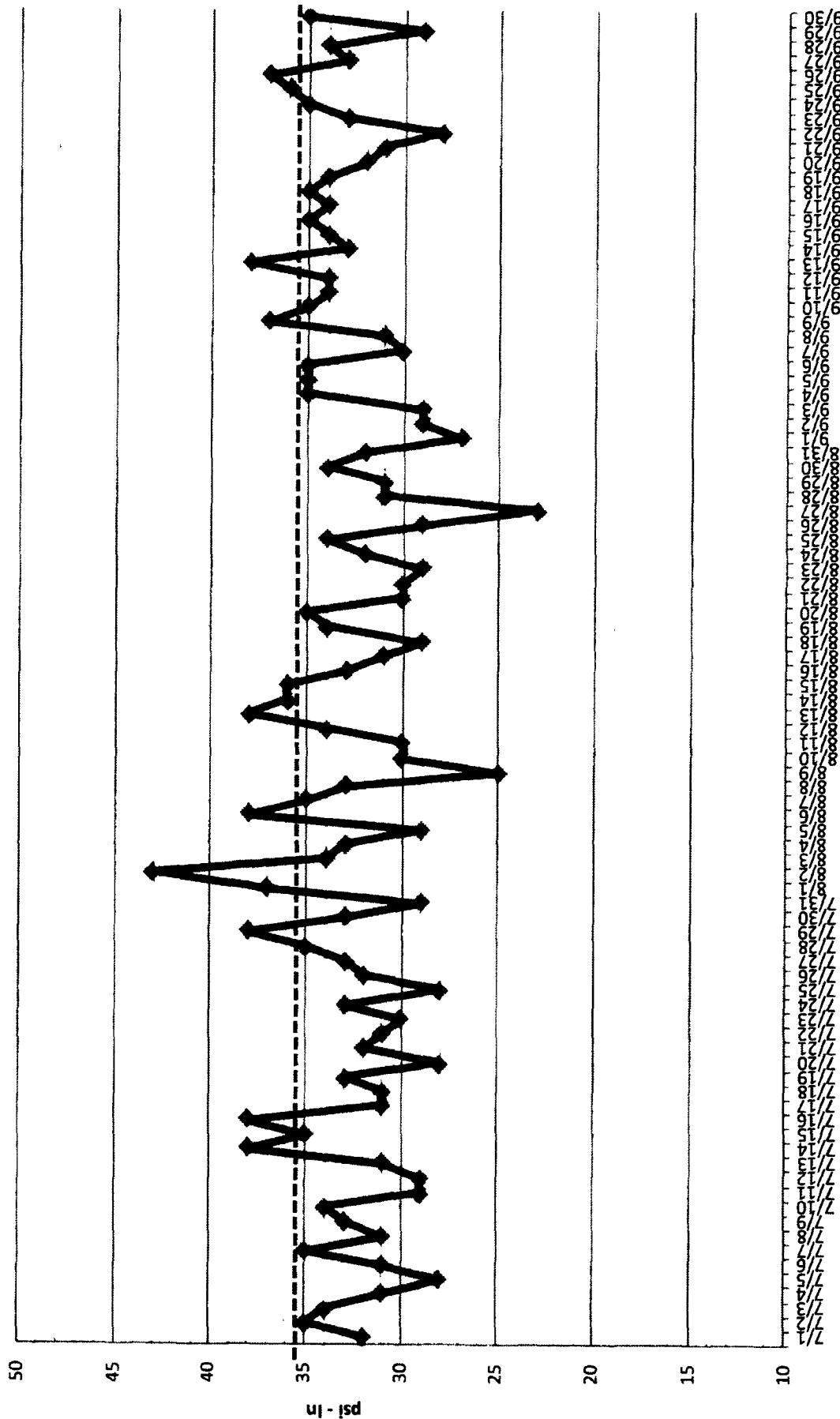
DISTRICTS' SUPPLEMENTAL RESPONSE TO AWU RFI 1-1(a) & (b)

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



April, May, June 2019

Travis County WC&ID #10
Red Bud Pump Station Pressure Readings



July, August, September 2019