

February 14, 2014

Geotechnical
Environmental
Water Resources
Ecological

Mr. Michael Friend, P.E.
Staff Engineer III
Special Projects Branch
Bureau of Corrective Actions
Nevada Division of Environmental Protection
2030 E. Flamingo Road, Suite 230
Las Vegas, Nevada 89119-0818

Re: Titanium Metals Corporation
Henderson, Nevada Facility
NDEP Facility ID # 000537
*Response to NDEP Comments Dated January 15, 2014 Regarding the Document Titled:
"2013 Annual Groundwater Monitoring Report", dated October 31, 2013*

Dear Mr. Friend:

Titanium Metals Corporation (TIMET) is in receipt of the Department's letter dated January 15, 2014 presenting comments on the above-captioned submittal. On behalf of TIMET, GEI Consultants presents responses to these comments (Attachment A).

If you have any questions regarding this submittal, please do not hesitate to contact the undersigned at (716) 204-7158 (email: kmcintosh@geiconsultants.com) or Mr. Richard Pfarrer of TIMET at (702) 566-4453 (email: Richard.Pfarrer@Timet.com).

Sincerely,

GEI Consultants, Inc.

A handwritten signature in black ink, appearing to read "Kelly R. McIntosh".

Kelly R. McIntosh, Ph.D., EM-2199 (exp. 9/24/15)
Senior Consultant

cc: Richard Pfarrer – TIMET, hard copy and electronic copy
Richard Truax – GEI, electronic copy
JD Dotchin, Nevada Division of Environmental Protection, Las Vegas, Nevada,
electronic copy
BMI Compliance Coordinator, Nevada Division of Environmental Protection, Las Vegas,
Nevada, hard copy and electronic copy
Nevada Division of Environmental Protection, c/o McGinley and Associates, Inc.,
815 Maestro Drive, Reno, Nevada 89511, hard copy and electronic copy

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Nevada Division of Environmental Protection, c/o McGinley and Associates, Inc.,
6280 South Valley View Boulevard, Suite 604, Las Vegas, Nevada 89118, hard
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Jeff Gibson – AMPAC, by electronic mail
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Paul Sundberg – representing Montrose, by electronic mail
Jay Steinberg – NERT, by electronic mail
Allan DeLorme – NERT, by electronic mail
John Pekala – NERT, by electronic mail
Curt Richards – Olin, by electronic mail
Jay Gear – Olin, by electronic mail
Ed Modiano – OSSM GWTS, by electronic mail
Chuck Elmendorf –Stauffer, by electronic mail
Nick Pogoncheff –Stauffer, by electronic mail
George Crouse –Syngenta, by electronic mail
Enoe Marcum – WAPA, by electronic mail

JURAT

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.

For the services provided and attested to with this Jurat including preparation of the responses to comments contained in Attachment A to this letter.

GEI CONSULTANTS, INC.



Kelly R. McIntosh
Senior Consultant
Nevada Certified Environmental Manager
EM No. 2199; Expires September 24, 2015

Date Signed: February 14, 2014

Attachment A

NDEP Comment 1a: Section 1.2, page 4, please discuss if there is a path forward for the dry wells. It is expected that this could be addressed in the O&M Sampling and Analysis Plan (SAP) that is in development by TIMET.

TIMET Response: TIMET plans to continue with the currently approved plans (including monitoring of wells that have been periodically dry). These wells are useful for identifying dewatered conditions and also provide chemistry data when sufficient water column is present for sample collection.

NDEP Comment 1b: Section 1.2, page 4, please discuss why wells TMPZ-111 and TMPZ-112 were only sampled once (i.e., if there is an NDEP approval for this deviation).

TIMET Response: The 2nd Semester 2012 sampling event was conducted by TIMET's previous environmental consultants. We are not aware of any prior correspondence with NDEP concerning wells TMPZ-111 and TMPZ-112. This may have been a miscommunication on the part of the prior sampling team.

NDEP Comment 2: Section 2.5, page 7, consistent with previous NDEP comments, for all future deliverables, please indicate the approval status of referenced deliverables (e.g., the DVSRs that are referred to). This is a comment that applies to several instances in the deliverable and will not be repeated.

TIMET Response: Noted.

NDEP Comment 3a: Section 3.1, page 8, TIMET indicates that the physical data are "generally consistent with historical physical groundwater data." For future reports, please discuss the exceptions.

TIMET Response: Noted.

NDEP Comment 3b: Section 3.1, page 8, regarding the dry wells and wells that are becoming dry, please discuss if this is part of a site-wide trend or if there any spatial correlation.

TIMET Response: The temporal and spatial variation in saturated thickness of the First Water-Bearing Zone will be evaluated as part of the CSM currently being performed by TIMET.

NDEP Comment 4: Section 3.2.1, page 10, regarding the wells with elevated turbidity, please discuss if there are any plans to identify the source of the turbidity (well construction issues, well screen degradation, etc.). It is expected that this could be addressed in the O&M SAP that is in development by TIMET.

TIMET Response: The wells that demonstrated elevated turbidity results (i.e., greater than 10 NTU) during both the 2nd Semester 2012 and 1st Semester 2013 sampling events consisted of:

PC-067, PC-054, PC-028, CLD4-R, M-129, and M-130. If elevated turbidity results are demonstrated in the same wells during the next two sampling events, TIMET will consider redeveloping the affected wells.

NDEP Comment 5: Appendix C, for future reports, please discuss any apparent trends in Figures 15 and 47 and any others of significance. This includes any significant increases or decreases in concentrations compared to the previous year's results. TIMET should not make any conclusions in this report, but should reference upcoming reports that will further analyze and interpret the trends such as in the performance monitoring reports for MNA and the slurry wall groundwater extraction system.

TIMET Response: Noted.

NDEP Comment 6: Figure 6, the 2,000 mg/l contour appears to be incorrect as a number of downgradient wells are excluded. Please review and submit a revised Figure.

TIMET Response: The sulfate analyses during the 2nd Semester 2012 and 1st Semester 2013 sampling events were not consistent (i.e., TMPZ-106, TMPZ-108, TMPZ-109, and M-129 were sampled during the 2nd Semester 2012 but not the 1st Semester 2013). Both events were performed by the prior environmental consultants and we have not ascertained why this sampling discrepancy occurred. Consequently, Figure 6 was prepared based on interpretation informed by past results and the isoconcentration lines are depicted consistent with the available data.

NDEP Comment 7: Section 3.2.2, page 10, TIMET states that the TDS concentrations were reported above the comparison level of 1,900 mg/l in all samples wells except for TMMW-102. This statement does not account for well TMMW-104 (1,900 mg/l) or TMMW-101 (1,800 mg/l). Please revise in future reports.

TIMET Response: Noted.

NDEP Comment 8a: Section 3.2.3.1, Table 47 and 48, during the 2nd Semester 2012 sampling event, 26% of the sample population did not meet the CAB data quality criteria. In the 1st Semester 2013 sampling event, this number rose to 47%. Please discuss the circumstances which have resulted in the levels of CAB check failure, and also discuss why the level increased dramatically between the two sampling events. Please also present quality control measures that will be implemented in the future in order to improve the quality of the data produced.

TIMET Response: Beginning with the 2nd Semester 2013, TIMET is working with a new analytical laboratory. TIMET will evaluate CAB data quality during the next monitoring period and address the issue in the 2014 Annual Groundwater Monitoring Report if/as necessary.

NDEP Comment 8b: Section 3.2.3.1, Table 47 and 48, the calculation of milliequivalents per liters requires operations on the analytical results of dissociated species only. Analytical result values for "bicarbonate as CaCO₃" and "nitrate as N" must be converted into result values for the dissociated species (bicarbonate and nitrate, respectively) by

dividing by the factors 0.8202 and 4.426, respectively (See Hem, 1992). Please correct the milliequivalent calculations for all such results and re-submit for further review.

TIMET Response: TIMET has revised Table 47 and 48 accordingly.

NDEP Comment 8c: Section 3.2.3.1, Table 47 and 48, the formula weights used for the calculation of milliequivalents for bicarbonate and nitrate are incorrect. Please correct the milliequivalent calculations for all such results and re-submit for further review.

TIMET Response: TIMET has revised Table 47 and 48 accordingly.

NDEP Comment 8d: Section 3.2.3.1, Table 47 and 48, the molar mass for sulfate, used to calculate milliequivalents per liter, is incorrectly reported as 96.064 and should be 96.061. Please revise as necessary.

TIMET Response: TIMET has revised Table 47 and 48 accordingly.

NDEP Comment 8e: Section 3.2.3.1, Table 47 and 48, significant figures throughout both tables are incorrect. Please submit the results and calculations using appropriate significant figures for future reporting periods. NDEP guidance on use of significant figures is provided in Appendix A of NDEP's September 28, 209 Cation-Anion Balance Updated Guidance document.

TIMET Response: Noted.

NDEP Comment 8f: Section 3.2.3.1, Table 47 and 48, note 2, Anions summed are listed with bicarbonate instead of calcium carbonate. Please revise as necessary.

TIMET Response: TIMET has revised Table 47 and 48 accordingly.

NDEP Comment 8g: Section 3.2.3.1, Table 47 and 48, note 6, change ED to EC.

TIMET Response: TIMET has revised Table 47 and 48 accordingly.

**TABLE 47
CATION-ANION BALANCE SUMMARY**

Titanium Metals Corporation,
Henderson, Nevada

2nd SEMESTER 2012

2013 ANNUAL GROUNDWATER MONITORING REPORT

Well ID	Cation Sum (meq/L) ¹	Anion Sum (meq/L) ²	Difference (%) ³	CAB Results	TDS Measured (mg/L)	TDS Calculated (mg/L)	TDS Ratio ⁴	TDS Results ⁵	TDS Measured (mg/L)	EC Measured (uS/cm)	EC Ratio TDS:EC ⁶	EC Results ⁷	Qualifier
AA-01	59	62	2.0	Acceptable	4200	3700	1.1	Acceptable	4200	5304	0.79	Acceptable	Not qualified
AA-09	87	89	1.3	Acceptable	6300	5400	1.2	Acceptable	6300	7567	0.83	Acceptable	Not qualified
AA-20	84	94	5.6	Unacceptable	6100	5700	1.1	Acceptable	6100	7358	0.83	Acceptable	J-CAB
AA-27	59	63	3.0	Acceptable	4400	3900	1.1	Acceptable	4400	4804	0.92	Acceptable	Not qualified
AA-UW1	56	61	4.5	Acceptable	4200	3700	1.1	Acceptable	4200	4653	0.90	Acceptable	Not qualified
BRW-R1	49	54	5.4	Unacceptable	3700	3300	1.1	Acceptable	3700	5078	0.73	Acceptable	J-CAB
CLD1-R	72	77	3.5	Acceptable	5300	4500	1.2	Acceptable	5300	7490	0.71	Acceptable	Not qualified
CLD4-R	65	69	2.9	Acceptable	4500	3900	1.1	Acceptable	4500	7800	0.58	Acceptable	Not qualified
CMT-101	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	6700	8856	0.76	Acceptable	Not qualified
DBMW-1	82	84	1.4	Acceptable	6000	5200	1.1	Acceptable	6000	7034	0.85	Acceptable	Not qualified
DBMW-3	140	150	2.7	Acceptable	10000	9300	1.1	Acceptable	10000	12170	0.82	Acceptable	Not qualified
DBMW-4	78	80	1.2	Acceptable	5700	5000	1.1	Acceptable	5700	6836	0.83	Acceptable	Not qualified
DBMW-5	76	78	1.2	Acceptable	5400	4800	1.1	Acceptable	5400	6684	0.81	Acceptable	Not qualified
EWQal-12	71	82	7.4	Unacceptable	5200	4800	1.1	Acceptable	5200	7069	0.74	Acceptable	J-CAB
J2D1-R2	81	85	2.2	Acceptable	6000	4900	1.2	Acceptable	6000	8642	0.69	Acceptable	Not qualified
J2D2-R2	81	89	4.7	Acceptable	6300	5100	1.2	Acceptable	6300	8800	0.72	Acceptable	Not qualified
J2D4	130	140	4.2	Acceptable	10000	8300	1.2	Acceptable	10000	15710	0.64	Acceptable	Not qualified
J2U2	66	74	5.9	Unacceptable	4800	4300	1.1	Acceptable	4800	5994	0.80	Acceptable	J-CAB
M-129	80	93	7.6	Unacceptable	6100	5500	1.1	Acceptable	6100	8392	0.73	Acceptable	J-CAB
M-130	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	5800	7573	0.77	Acceptable	Not qualified
TIMETMW-3R	53	58	4.9	Acceptable	3500	3200	1.1	Acceptable	3500	5478	0.64	Acceptable	Not qualified
TIMETMW-4	41	43	1.5	Acceptable	3200	2700	1.2	Acceptable	3200	3799	0.84	Acceptable	Not qualified
TIMETMW-5	55	58	3.1	Acceptable	4000	3600	1.1	Acceptable	4000	5567	0.72	Acceptable	Not qualified
TIMETMW-6R	41	44	2.9	Acceptable	3000	2600	1.2	Acceptable	3000	4482	0.67	Acceptable	Not qualified
PC-024	120	130	4.3	Acceptable	8800	7400	1.2	Acceptable	8800	11160	0.79	Acceptable	Not qualified
PC-124	140	170	8.6	Unacceptable	11000	9700	1.1	Acceptable	11000	14890	0.74	Acceptable	J-CAB
PC-028	85	90	2.7	Acceptable	6800	5800	1.2	Acceptable	6800	7409	0.92	Acceptable	Not qualified
PC-054	69	65	3.2	Acceptable	5400	4300	1.3	Unacceptable	5400	6102	0.88	Acceptable	J-TDS
PC-067	150	160	4.5	Acceptable	11000	9400	1.2	Acceptable	11000	14860	0.74	Acceptable	Not qualified
POU-3	130	140	4.9	Acceptable	9000	8300	1.1	Acceptable	9000	12850	0.7	Acceptable	Not qualified
TMMW-101	27	29	4.1	Acceptable	2100	1700	1.2	Acceptable	2100	2716	0.77	Acceptable	Not qualified
TMMW-102	18	20	3.7	Acceptable	1300	1100	1.2	Acceptable	1300	1782	0.73	Acceptable	Not qualified
TMMW-103	29	31	4.3	Acceptable	2100	1800	1.1	Acceptable	2100	2960	0.71	Acceptable	Not qualified
TMMW-104	30	32	2.2	Acceptable	2300	1900	1.2	Acceptable	2300	2797	0.82	Acceptable	Not qualified

TABLE 47
CATION-ANION BALANCE SUMMARY
2nd SEMESTER 2012
2013 ANNUAL GROUNDWATER MONITORING REPORT

Well ID	Cation Sum (meq/L) ¹	Anion Sum (meq/L) ²	Difference (%) ³	CAB Results	TDS Measured (mg/L)	TDS Calculated (mg/L)	TDS Ratio ⁴	TDS Results ⁵	TDS Measured (mg/L)	EC Measured (uS/cm)	EC Ratio TDS:EC ⁶	EC Results ⁷	Qualifier
TMPZ-105	87	120	14	Unacceptable	7400	6500	1.1	Acceptable	7400	10950	0.68	Acceptable	J-CAB
TMPZ-106	64	74	7.3	Unacceptable	4700	4100	1.2	Acceptable	4700	7504	0.63	Acceptable	J-CAB
TMPZ-107	210	260	9.0	Unacceptable	16000	14000	1.1	Acceptable	16000	23860	0.67	Acceptable	J-CAB
TMPZ-108	160	180	8.5	Unacceptable	12000	10000	1.1	Acceptable	12000	19160	0.63	Acceptable	J-CAB
TMPZ-109	83	85	1.3	Acceptable	5700	5000	1.1	Acceptable	5700	8602	0.66	Acceptable	Not qualified
TMPZ-110	77	83	3.7	Acceptable	5600	4900	1.1	Acceptable	5600	7578	0.74	Acceptable	Not qualified

Notes:

CAB	Cation/anion balance	mg/L	Milligram per liter
EC	Electrical conductivity	TDS	Total dissolved solids
meq/L	Milliequivalent per liter	uS/cm	MicroSiemens per centimeter

- 1 Cations summed include: Calcium, magnesium, sodium, and potassium.
- 2 Anions summed include: Bicarbonate, carbonate, chloride, fluoride, nitrate, perchlorate, and sulfate.
- 3 QC criterion for CAB: absolute percent difference less than or equal to 5 percent; when the anion sum is between 10 and 800 meq/L.
- 4 Ratio of laboratory measured TDS to calculated TDS.
- 5 QC criterion for TDS measured versus calculated: ratio of TDS measured to TDS calculated greater than or equal to 1.0 and less than or equal to 1.2.
- 6 QC limits for TDS versus EC ratio is 0.54 to 0.96
- 7 J-TDS indicates that TDS value for the given well is estimated; J-CAB indicates that the values for the 11 cation/anions are estimated for a given well.
The qualification of results based CAB includes the "J" qualifier with the associated comment code "p" or "q" in the TIMET analytical database
- 8 The approved sampling plan for these wells do not require that a full suite of cations and anions be analyzed; as such the calculations are not conducted.

TABLE 48
CATION-ANION BALANCE SUMMARY
1st SEMESTER 2013
2013 ANNUAL GROUNDWATER MONITORING REPORT

Titanium Metals Corporation,
Henderson, Nevada

Well ID	Cation Sum (meq/L) ¹	Anion Sum (meq/L) ²	Difference (%) ³	CAB Results	TDS Measured (mg/L)	TDS Calculated (mg/L)	TDS Ratio ⁴	TDS Results ⁵	TDS Measured (mg/L)	EC Measured (uS/cm)	EC Ratio TDS:EC ⁶	EC Results ⁷	Qualifier
AA-01	62	75	9.7	Unacceptable	4300	4300	1.0	Acceptable	4300	4770	0.90	Acceptable	J-CAB
AA-09	88	92	2.2	Acceptable	6200	5600	1.1	Acceptable	6200	7257	0.85	Acceptable	Not qualified.
AA-20	80	92	6.8	Unacceptable	5900	5500	1.1	Acceptable	5900	6884	0.86	Acceptable	J-CAB
AA-27	60	76	12	Unacceptable	4400	4500	1.0	Acceptable	4400	5081	0.87	Acceptable	J-CAB
AA-UW1	58	60	1.3	Acceptable	4100	3700	1.1	Acceptable	4100	4555	0.90	Acceptable	Not qualified.
BRW-R1	49	52	2.7	Acceptable	3700	3300	1.1	Acceptable	3700	4468	0.83	Acceptable	Not qualified.
CLD1-R	73	84	7.2	Unacceptable	5400	4900	1.1	Acceptable	5400	7244	0.75	Acceptable	J-CAB
CLD4-R	71	94	14	Unacceptable	5500	5300	1.0	Acceptable	5500	7771	0.71	Acceptable	J-CAB
CMT-101	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	4300	5536	0.78	Acceptable	Not qualified.
DBMW-1	82	90	4.1	Acceptable	6000	5500	1.1	Acceptable	6000	7113	0.84	Acceptable	Not qualified.
DBMW-3	120	140	5.4	Unacceptable	9000	8300	1.1	Acceptable	9000	10680	0.84	Acceptable	J-CAB
DBMW-4	80	85	2.8	Acceptable	5600	5200	1.1	Acceptable	5600	6953	0.81	Acceptable	Not qualified.
DBMW-5	77	81	2.2	Acceptable	5300	4900	1.1	Acceptable	5300	6661	0.80	Acceptable	Not qualified.
EWQal-12	68	80	8.2	Unacceptable	5100	4700	1.1	Acceptable	5100	6189	0.82	Acceptable	J-CAB
J2D1-R2	81	88	3.9	Acceptable	5500	5000	1.1	Acceptable	5500	7646	0.72	Acceptable	Not qualified.
J2D2-R2	86	88	1.1	Acceptable	5700	5200	1.1	Acceptable	5700	7135	0.80	Acceptable	Not qualified.
J2D4	130	150	6.0	Unacceptable	9400	8600	1.1	Acceptable	9400	12430	0.76	Acceptable	J-CAB
J2U2	64	70	4.5	Acceptable	4600	4100	1.1	Acceptable	4600	6852	0.67	Acceptable	Not qualified.
M-129	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	5900	6606	0.89	Acceptable	Not qualified.
M-130	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	4900	7192	0.68	Acceptable	Not qualified.
TIMETMW-3R	65	74	6.5	Unacceptable	4600	4000	1.2	Acceptable	4600	7018	0.66	Acceptable	J-CAB
TIMETMW-4	41	43	2.4	Acceptable	3100	2700	1.2	Acceptable	3100	4308	0.72	Acceptable	Not qualified.
TIMETMW-5	52	54	1.3	Acceptable	3900	3300	1.2	Acceptable	3900	4863	0.80	Acceptable	Not qualified.
TIMETMW-6R	39	45	6.6	Unacceptable	3000	2600	1.2	Acceptable	3000	4850	0.62	Acceptable	J-CAB
PC-024	120	130	4.0	Acceptable	8400	7600	1.1	Acceptable	8400	11180	0.75	Acceptable	Not qualified.
PC-124	140	160	6.0	Unacceptable	10000	9200	1.1	Acceptable	10000	12750	0.78	Acceptable	J-CAB
PC-028	82	84	1.4	Acceptable	6500	5500	1.2	Acceptable	6500	7370	0.88	Acceptable	Not qualified.
PC-054	69	70	0.38	Acceptable	5600	4500	1.2	Acceptable	5600	6563	0.85	Acceptable	Not qualified.
PC-067	160	190	8.0	Unacceptable	12000	11000	1.1	Acceptable	12000	15910	0.75	Acceptable	J-CAB
POU-3	130	140	5.3	Unacceptable	8800	8100	1.1	Acceptable	8800	10900	0.81	Acceptable	J-CAB
TMMW-101	18	30	25	Unacceptable	1800	1600	1.1	Acceptable	1800	2665	0.68	Acceptable	J-CAB
TMMW-102	19	19	1.1	Acceptable	1200	1100	1.1	Acceptable	1200	2138	0.56	Acceptable	Not qualified.
TMMW-103	27	29	4.3	Acceptable	2000	1700	1.2	Acceptable	2000	2541	0.79	Acceptable	Not qualified.
TMMW-104	26	26	0.76	Acceptable	1900	1600	1.2	Acceptable	1900	2315	0.82	Acceptable	Not qualified.

TABLE 48
CATION-ANION BALANCE SUMMARY
1st SEMESTER 2013
2013 ANNUAL GROUNDWATER MONITORING REPORT

Titanium Metals Corporation,
Henderson, Nevada

Well ID	Cation Sum (meq/L) ¹	Anion Sum (meq/L) ²	Difference (%) ³	CAB Results	TDS Measured (mg/L)	TDS Calculated (mg/L)	TDS Ratio ⁴	TDS Results ⁵	TDS Measured (mg/L)	EC Measured (uS/cm)	EC Ratio TDS:EC ⁶	EC Results ⁷	Qualifier
TMPZ-105	100	120	7.0	Unacceptable	7600	6900	1.1	Acceptable	7600	10380	0.73	Acceptable	J-CAB
TMPZ-106	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	9100	13260	0.69	Acceptable	Not qualified.
TMPZ-107	250	320	12	Unacceptable	16000	17000	0.94	Unacceptable	16000	21020	0.76	Acceptable	J-CAB, J-TDS
TMPZ-108	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	13000	17810	0.73	Acceptable	Not qualified.
TMPZ-109	Incomplete cation/anion dataset ⁸			NA	Incomplete cation/anion dataset ⁸			NA	5400	7339	0.74	Acceptable	Not qualified.
TMPZ-110	79	90	6.5	Unacceptable	5900	5200	1.1	Acceptable	5900	7104	0.83	Acceptable	J-CAB
TMPZ-111	43	46	3.4	Acceptable	3400	2900	1.2	Acceptable	3400	3798	0.90	Acceptable	Not qualified.
TMPZ-112	66	71	3.9	Acceptable	5200	4500	1.2	Acceptable	5200	5368	0.97	Acceptable	Not qualified.

Notes:

CAB	Cation/anion balance	NA	Not applicable
EC	Electrical conductivity	TDS	Total dissolved solids
meq/L	Milliequivalent per liter	uS/cm	MicroSiemens per centimeter
mg/L	Milligram per liter		

- 1 Cations summed include: Calcium, magnesium, sodium, and potassium.
- 2 Anions summed include: Bicarbonate, carbonate, chloride, fluoride, nitrate, perchlorate, and sulfate.
- 3 QC criterion for CAB: absolute percent difference less than or equal to 5 percent; when the anion sum is between 10 and 800 meq/L.
- 4 Ratio of laboratory measured TDS to calculated TDS.
- 5 QC criterion for TDS measured versus calculated: ratio of TDS measured to TDS calculated greater than or equal to 1.0 and less than or equal to 1.2.
- 6 QC limits for TDS versus EC ratio is 0.54 to 0.96
- 7 J-TDS indicates that TDS value for the given well is estimated; J-CAB indicates that the values for the 11 cation/anions are estimated for a given well.
The qualification of results based CAB includes the "J" qualifier with the associated comment code "p" or "q" in the TIMET analytical database
- 8 The approved sampling plan for these wells do not require that a full suite of cations and anions be analyzed; as such the calculations are not conducted.