City of Tacoma

Tacoma Water

ADDENDUM NO. 1 **DATE:** 9/1/23

REVISIONS TO:
Request for Qualifications Specification No. TW23-0153F
Wellfield Treatment Evaluation Engineering Services

NOTICE TO ALL RESPONDENTS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline remains the same.

REVISIONS TO THE SPECIFICATIONS:

Revise Section 4 the anticipated schedule of events to read 'Interviews/presentations, on or about: 10/2/2023."

Revise Section 10 to read "Respondents must be available to interview within four (4) business days' notice."

REVISIONS TO THE APPENDICES:

Replace Appendix A Attachment 2 Page 2 with the attached as marked Addendum No.1.

Questions and Answers

Question 1: **The RFP notes that "proposals should be formatted as 8 ½" x 11" except for specific exhibits where necessary". Confirming it's acceptable to use an 11"x17" page for content that includes large graphics?**

Answer 1: Yes, a limited number of 11"x17" pages are acceptable if they make it easier to include larger exhibits, such as example layouts or maps. Each 11"x17" page will count as 1 page toward the 30-page total limit.

Question 2: **The Signature Page is entitled Appendix B, and the RFP asks that Client References are included in Appendix B. Where should we place the signature page in our submittal?**

Answer 2: Within the RFQ, the Signature Page form may be found in Appendix B; however, within the Statement of Qualifications submittal, the Respondent may include the Signature Page between the cover letter and the required content.

Question 3: Does Tacoma Water have a current Hydrogeologist contracted, and do you anticipate any hydrogeology-related needs to be contracted separately?

Answer 3: Tacoma Water has a contract with a hydrogeologist for work related to the Wells Master Plan. At this time, no additional hydrogeological work specific to PFAS contamination is anticipated as part of this project; however, it may be possible to amend the existing hydrogeologist contract if necessary work is identified during the project.

Question 4: Can you confirm 11x17 pages are acceptable and let us know if they count as 1 or 2 pages toward the 30 page total document maximum.

Answer 4: See Answer 1.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Qualifications Specification No. TW23-0153F Addendum No. 1. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Kim DeFolo, P.E., Tacoma Water

Tacoma Water PFAS Sampling - PRELIMINARY RESULTS
2022/2023
EPA 533, EPA 537.1

	Compound Abbreviation	PFOS	PFOA	PFNA	PFHxS	PFBS	GenX (HFPO-DA)	Hazard Index	PFHpA	PFHxA	PFDA	PFDoA	PFTA	PFTrDA	PFUnA	NEtFOSAA	NMeFOSAA	11Cl-PF3OUdS	8:2 FTS	4:2 FTS	6:2 FTS	ADONA	9Cl-PF3ONS	NFDHA	PFEESA	PFMPA	PFMBA	PFBA	PFHpS	PFPeS	PFPeA	
	Compound Name	Perfluorooctanesulfonic acid	Perfluorooctanoic acid	Perfluorononanoic acid	Perfluorohexanesulfonic acid	Perfluorobutanesulfonic acid	Hexafluoropropylene oxide dimer acid	Calculated	Perfluoroheptanoic acid	Perfluorohexanoic acid	Perfluorodecanoic acid	Perfluorododecanoic acid	Perfluorotetradecanoic acid	Perfluorotridecanoic acid	Perfluoroundecanoic acid	N-ethyl perfluorooctanesulfonamidoacetic acid	N-methyl perfluorooctanesulfonamidoacetic acid	Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1H,1H,2H,2H-Perfluorodecane sulfonic acid	1H,1H,2H,2H-Perfluorohexane sulfonic acid	1H,1H,2H,2H-Perfluorooctane sulfonic acid	4,8-Dioxa-3H-perfluorononanoic acid	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	Nonafluoro-3,6-dioxaheptanoic acid	Perfluoro (2-ethoxyethane) sulfonic acid	Perfluoro-3-methoxypropanoic acid	Perfluoro-4-methoxybutanoic acid	Perfluorobutanoic acid	Perfluoroheptane sulfonic acid	Perfluoropentane sulfonic acid	Perfluoropentanoic acid	TOTAL - All Compounds
	Units	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	dimensionless	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	
	Method Detection Limit	0.43	0.38	0.40	0.32	0.37	1.0		0.39	0.46	0.31	0.54	0.54	0.36	0.42	0.42	0.58	0.30	0.38	0.37	0.48	0.60	0.30	0.47	0.25	0.46	0.15	0.69	0.36	0.39	0.38	
	EPA Proposed MCL or HBWC	4	4	*10*	*9*	*2000*	*10*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Source	WA SAL	15	10	9	65	345	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PRIMARY SOURCES																																
Green River - Raw	6/22/2023																															
Green River - Treated	6/22/2023																															
North Fork #2	6/22/2023																															
North Fork Tank	6/22/2023																															
SEASONAL SOURCES - TYPICALLY BLENDED																																
Well 1B	6/20/2023	**5.5**	*3.2*	ND	4.9	6.3	ND	0.55	*1.6*	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*1.7*	ND	*1.2*	3.7	31.0
Well 3A	7/5/2023	**13**	*3.6*	*0.61*	6.1	5.4	ND	0.74	*1.7*	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	*0.53*	*1.6*	3.0	40.8
Well 3A Shallow Aq.	6/27/2023	**130**	**10**	4.2	11	10	ND	**1.65**	3.3	6.5	*0.86*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0	*1.7*	2.2	6.2	190.0
Well 5A	7/12/2023	*1.8*	2.0	ND	2.5	5.4	ND	0.28	*1.2*	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*1.2*	ND	*0.57*	2.8	19.8
Well 5A Shallow Aq.	6/27/2023	2.3	*3.6*	ND	2.5	5.9	ND	0.28	*1.4*	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*1.3*	ND	*0.59*	3.2	24.1
Well 6B	6/20/2023	**6.3**	*3.8*	ND	4.2	9.1	ND	0.47	2.3	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	ND	*0.76*	4.5	37.6
Well 8B	7/5/2023	**6.0**	*3.3*	ND	5.4	5.3	ND	0.60	*1.4*	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.24*	*1.4*	*0.40*	*1.4*	2.8	31.0
Well 9A	7/12/2023	*0.88*	*1.2*	ND	2.8	3.3	ND	0.31	*1.2*	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND*	*0.55*	ND	ND	ND	ND	ND	ND	*1.5*	ND	*0.76*	3.0	17.8
Well 11A	6/27/2023	**7.4**	**4.4**	ND	4.1	8.1	ND	0.46	2.1	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	*0.86*	3.4	37.4
Well 12A	6/27/2023	*0.71*	*0.94*	ND	4.6	3.3	ND	0.51	*0.54*	*1.6*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*1.6*	ND	*1.1*	2.3	16.7
Well 13A	7/12/2023	ND	ND	ND	ND	ND	ND	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.61*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61
Well GPL1	11/15/2022	3.1	2.6	ND	2.4	4.2	ND	0.27	*1.5*	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*1.8*	ND	*0.67*	2.1	20.6
Well GPL2	9/15/2022	2.5	2.5	ND	2.0	3.6	ND	0.22	*1.0*	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.62*	2.1	16.3
BLENDED ENTRY TO DISTRIBUTION																																
Hood Street Outlet	6/20/2023	**4.1**	3.0	ND	3.0	5.1	ND	0.34	*1.6*	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*1.9*	ND	*0.64*	2.7	24.5
Hood Street Outlet	6/27/2023	**4.6**	2.2	ND	3.7	5.6	ND	0.41	*1.5*	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	*0.81*	2.7	26.1
Hood Street Outlet	7/5/2023	**6.2**	2.6	ND	5.1	4.5	ND	0.57	*1.2*	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.16*	*1.8*	ND	*1.4*	2.7	28.3
Hood Street Outlet	7/12/2023	*1.4*	*1.3*	ND	*1.9*	2.7	ND	0.21	*0.92*	*1.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.59*	ND	ND	ND	ND	ND	ND	*0.88*	ND	*0.54*	*1.8*	13.7
PRIVATE TACOMA WATER USE AT GRFF																																
Treatment Plant Well	6/22/2023	ND	ND	ND	ND	ND	ND	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
RARELY USED OR EMERGENCY SOURCES																																
Well 2C																																
Well 4A	7/12/2023	**7.3**	*1.9*	ND	2.8	*2.3*	ND	0.31	1.0	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.83*	ND	ND	ND	ND	ND	ND	*1.3*	ND	ND	2.0	21.0
Well SE2/SE6	7/24/2023	**6.3**	ND	ND	6.3	4.8	ND	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.40*	*1.3*	ND	19.1
Well SE8																																
Well SE11/SE11A	7/24/2023	2.0	ND	ND	4.7	*1.8*	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND	ND	*0.63*	ND	12.8
Well UP1																																
Well PA1	7/24/2023	ND	ND	ND	ND	ND	ND	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Prairie Springs	7/26/2023	ND	ND	ND	*0.43*	*1.2*	ND	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6
TAKEN OUT OF SERVICE																																
Well 7B																																
Well 10C	7/25/2023	**240**	**50**	58	90	22	ND	**15.81**	11	27	*0.38*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*1.1*	ND	ND	ND	ND	ND	ND	7.4	7.8	25	19	558.7

Red = Values > EPA Proposed **Orange = Values > 80% x (EPA Proposed)**
ND = Not detected, less than Method Detection Limit
Results in italics were measured >MDL and <MRL.
NOTE: During sampling, (1) South Tacoma wells were either blended at Hood Street Reservoir or run to blow-off and (2) individual wells were run to blow-off and not into distribution. Well 10C and Well 7B were taken out of service following the 2018 results.