

AMENDMENT NO. 5

WEST YOST & ASSOCIATES, INC.
TASK ORDER NO. 49

THIS AMENDMENT NO. 5 to TASK ORDER NO. 49 ("Amendment No. 5") is made and entered this ____ day of _____, 2026 by and between the CITY OF LODI, a municipal corporation (hereinafter called "CITY"), and WEST YOST & ASSOCIATES, INC. a California corporation (hereinafter called "CONTRACTOR".)

WITNESSETH:

1. WHEREAS, CONTRACTOR and CITY entered into Task Order No. 49 on September 1, 2020, Amendment No. 1 on April 12, 2021, Amendment No. 2 on October 12, 2021, Amendment No. 3 on August 18, 2022 and Amendment No. 4 on October 8, 2024 (collectively the "Agreement"), attached hereto as Exhibit 1 and made a part hereof; and
2. WHEREAS, CITY now requests to add funds in an amount of \$60,000 for a total Agreement not-to-exceed amount of \$1,163,900 as set forth in Exhibit 2, attached hereto and made part hereof; and
3. WHEREAS, CITY and CONTRACTOR agree to said amendments.

NOW, THEREFORE, the parties agree to amend the Agreement as set forth above. All other terms and conditions of the Agreement remain unchanged.

IN WITNESS WHEREOF, CITY and CONTRACTOR have executed this Amendment No. 5 on the date and year first above written.

CITY OF LODI, a municipal corporation
hereinabove called "CITY"

WEST YOST & ASSOCIATES, INC.
a California corporation hereinabove
called "CONTRACTOR"

JAMES LINDSAY
Interim City Manager

JEFFREY PELZ
Vice President

Attest:

OLIVIA NASHED, City Clerk

Approved as to Form:

KATIE O. LUCCHESI, City Attorney

AMENDMENT NO. 4

WEST YOST & ASSOCIATES, INC
TASK ORDER NO. 49

THIS AMENDMENT NO. 4 TO TASK ORDER NO. 49, ("Amendment No. 4"), made and entered this 8 day of OCTOBER 2024, by and between the CITY OF LODI, a municipal corporation (hereinafter "CITY"), and WEST YOST & ASSOCIATES, INC., a California corporation (hereinafter called "CONTRACTOR").

WITNESSETH:

1. WHEREAS, CONTRACTOR and CITY entered into Task Order No. 49 on September 1, 2020, Amendment No. 1 to Task Order No. 49 on April 12, 2021, Amendment No. 2 to Task Order No. 49 on October 12, 2021, and Amendment No. 3 to Task Order No. 49 on August 18, 2022 (collectively the "Agreement"), attached hereto as Exhibits 1, 1A, 1B and 1C, respectively, and made a part hereof; and
2. WHEREAS, on August 7, 2024, Council approved Resolution No. 2024-128 which authorized Amendment No. 4 to extend the term of the Agreement to June 30, 2026, and increase fees by \$387,400; and
3. WHEREAS, there was a minor error in the August 7, 2024 version that did not reflect the additional fees and new not-to-exceed amount; and
4. WHEREAS, CITY now requests to repeal Resolution No. 2024-128 and the previously approved Amendment No. 4, and to adopt this version showing an increase of the total not-to-exceed amount from \$716,500 to \$1,103,900 over the term of the Agreement; and
5. WHEREAS, CITY and CONTRACTOR agree to said amendment and updated fee amount.

NOW, THEREFORE, the parties agree to repeal and replace the prior version of Amendment No. 4 approved on August 7, 2024, and to now amend the Agreement as set forth above. All other terms and conditions of the Agreement remain unchanged.

IN WITNESS WHEREOF, CITY and CONTRACTOR have executed this Amendment No. 4 on the date and year first above written.

CITY OF LODI, a municipal corporation

WEST YOST & ASSOCIATES, INC., a California

By: 
SCOTT R. CARNEY
City Manager

By: 
JEFFREY PELZ
Vice President

Attest:


OLIVIA NASHED
City Clerk

Approved as to Form:


KATIE O. LUCCHESI
City Attorney

Task Order 49
City of Lodi
Regulatory Services for FY 20/21 and FY 21/22
West Yost Job Number 213-50-20-45

In accordance with the Task Order Agreement between City of Lodi (Client) and West Yost Associates, Inc. (Consultant), dated January 13, 1999, Consultant is authorized to complete the work scope defined in this Task Order according to the schedule and budget defined herein.

WORK SCOPE

The purpose of this project is to provide engineering services, and related assistance, to the Client in meeting permitting requirements for the White Slough Water Pollution Control Facility. The scope of the services covers most of the regulatory-related support efforts that are anticipated to be necessary during Fiscal Year 2020/2021 (FY 20/21) and Fiscal Year 2021/2022 (FY 21/22). The specific details for the work scope are provided in the attached letter proposal to Mr. Lance Roberts dated May 26, 2020, Attachment A.

BUDGET

The costs for Consultant's services as defined herein shall not exceed \$193,700.

COMPENSATION

Compensation shall be in accordance with the provisions of the Task Order Agreement between Client and Consultant and the billing rate schedule as shown in Attachment A.

The compensation limit for services performed under this task order shall not exceed \$193,700. If additional funds are required to complete the services defined herein beyond this limit, Consultant shall notify Client in writing prior to reaching the authorized limit and will not proceed with work in excess of the limit without the prior written approval of Client.

SCHEDULE

The proposed scope of services will cover the period beginning July 1, 2020 and ending June 30, 2022. Project work will begin with notice to proceed from the Client.

WEST YOST ASSOCIATES, INC.

Signature



Jeffrey D. Pelz

Printed Name

Vice President

Title

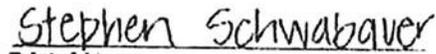
Date

8/17/20

CITY OF LODI

Steve Schwabauer

Signature



Printed Name

City Manager

Title

Date

September 1, 2020

Approved as to Form:

Janice D. Magdich

JANICE D. MAGDICH
City Attorney



May 26, 2020

SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
Public Works Department
221 West Pine Street
Lodi, CA 95240

SUBJECT: Proposal for Engineering Services –
WPCF Regulatory Services for FY 20/21 and FY 21/22

Dear Mr. Roberts:

West Yost Associates (West Yost) appreciates the opportunity to present to you this letter proposal for ongoing engineering services related to assisting the City of Lodi (City) in meeting permitting requirements for the City's White Slough Water Pollution Control Facility (WPCF). The scope of work described in this letter proposal is intended to cover regulatory related support efforts anticipated to be needed during Fiscal Year 2020/2021 (FY 20/21) and Fiscal Year 2021/2022 (FY 21/22) under the following discharge permits issued by the Central Valley Regional Water Quality Control Board (Regional Board):

- *General Permit for Municipal Wastewater Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (General Permit) and the site-specific Notice of Applicability (NOA) R5-2017-0085-003 for coverage under the General Permit*
- *Waste Discharge Requirements (WDRs), Order No. R5-2007-0113-01*
- *NOA WQ-2016-0068-DDW-R5007 (Recycled Water NOA) for coverage under the State Water Resources Control Board's (State Water Board's) Order WQ 2016-0068-DDW Waste Reclamation Requirements for Recycled Water Use (General WRRs)*

As with our previous regulatory support services contracts with the City, West Yost will rely on the support from Somach Simmons and Dunn (SSD), an environmental law firm that specializes in serving California permittees on discharge permit issues, should the need arise.

In previous contracts for regulatory services, West Yost has not included support related to temperature or toxicity studies that may be required. The City has instead separately contracted with Robertson Bryan, Inc. to support temperature and toxicity studies. The City has not had recent toxicity issues under the NOA, but ongoing toxicity support may be needed during term of the new contract. However, consistent with West Yost's current contract, West Yost assumes that the City will continue to contract separately with Robertson Bryan, Inc. for support related to toxicity or temperature study efforts and this proposal does not include significant support related to these efforts.

At the request of the City, the Scope of Work and Fee Estimate provided in this proposal have been divided into two phases, one for each of the fiscal years covered. It is understood that the City may authorize services for either both years together or for each year separately.

PROJECT UNDERSTANDING

The following topics are presented as background information pertaining to the proposed work and define the basic understanding affecting the level of effort:

- General Permit and NOA for surface water discharge
- WDRs for land application
- General WRRs and Recycled Water NOA
- Dredger Cut water rights reporting

General Permit and NOA for Surface Water Discharge

The General Permit and site-specific NOA, Order No. R5-2017-0085-003, apply to the City's discharge of disinfected tertiary effluent to Dredger Cut. The Regional Board adopted a revised General Permit in April 2020. Under our current contract with the City, West Yost has reviewed the revised General Permit and did not identify any significant changes that would impact WPCF activities.

The current NOA expires on March 31, 2021 and requires submittal of a Notice of Intent (NOI) by July 1, 2020. The Regional Board limited the term of the current NOA to two years to allow for supplemental data to be provided for a few monitoring analytes of concern: chronic toxicity, cyanide, lead, and selenium. Regional Board staff have indicated in recent discussions that it would be sufficient for the City to meet the NOI submittal requirement by submitting the previous NOI/Report of Waste Discharge developed in 2018 with a cover letter documenting analysis of the analytes of concern and attaching the required NOI form signed by the City.

West Yost is in the process of preparing the NOI documents under our current contract with the City. As part of that effort, we did not identify any compliance issues with the recent monitoring results for the analytes of concern. Therefore, the NOI cover letter should include a request that the term of the NOA be extended for an additional three years to cover the full five-year term, and that no other changes to the NOA should be made.

The draft NOA is expected to be issued during FY 20/21. The scope of services described herein is based on assisting the City with reviewing the draft NOA and providing additional information that may be requested by Regional Board staff as they prepare the NOA and review the NOI materials.

WDRs for Land Application

The WDRs were adopted in 2013 and do not have an expiration date. The WDRs apply to the following WPCF operations:

- Storage and land application of undisinfected, secondary effluent on City-owned agricultural properties;
- Storage and land application of industrial process flows, which include seasonal food processing flows from Pacific Coast Producers, entering the WPCF via the industrial wastewater sewer system;

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- **Biosolids land application on City-owned agricultural properties; and,**
- **Supply of disinfected tertiary recycled water to the Northern California Power Agency and San Joaquin County Mosquito and Vector Control District.**

The WDRs require the following routine monitoring reports with which West Yost has historically assisted with development or completed on the City's behalf:

- **Quarterly groundwater contour maps that include calculation of groundwater elevations, an assessment of groundwater flow direction and gradient on the date of measurement, comparison of previous flow direction and gradient data, and discussion of seasonal trends, if any.**
- **Annual Monitoring Reports that provide an evaluation of the groundwater quality beneath the WPCF and land application area, determination of compliance with the groundwater limitations of the WDRs based on statistical analysis for each constituent monitored for each compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed.**
- **Annual Cropping and Irrigation Reports that provide summaries of the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, an assessment of compliance with land application area loading limits and related requirements, discussion of any corrective actions taken or needed, and discussion of the cropping and irrigation plan for the coming year.**
- **Annual U.S. Environmental Protection Agency (USEPA) Biosolids Application Reports, which is an online form that document the City's biosolids production and reuse practices for the prior year.**

This proposal assumes West Yost will continue to provide services related to the development of these reports.

In addition, West Yost has been assisting the City with coordinating with the farmers that manage the land application area by reviewing the monthly land management reports under the WDRs and participating in monthly meetings. Under previous contracts with the City, West Yost's involvement with the City's monthly land management meetings and reports was limited to review of the reports generated by the City and participation in one annual kickoff meeting at the beginning of each irrigation season. However, with recent turnover of City staff, West Yost has been requested to participate in the monthly meetings with the farmers that manage the City's properties. The need for West Yost's ongoing involvement with these reviews and meetings over the next two fiscal years is uncertain. Given this uncertainty, we are assuming for this proposal that ongoing assistance and participation will be necessary.

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Finally, the City submitted a report in early 2020 detailing compliance with the Groundwater Limitations of the WDRs. This was the final compliance step in a six-year schedule that was developed to allow the City time to complete an evaluation of best practicable treatment or control (BPTC) measures for the land application area and implement additional BPTCs, as needed, to allow for compliance. The Groundwater Limitations Compliance Report documented and concluded that the City is in compliance with the groundwater limitations, with the exception of impacts that occurred due to past activities near the City's compliance well WSM-2. The report also documented that existing BPTCs implemented by the City are adequately protective of the groundwater underlying the WPCF and land application area.

Following their review of the documents provided, the Regional Board could reopen the WDRs to address the City's evaluation of compliance with groundwater limitations. The Regional Board could also issue a compliance order related to the ongoing impacts observed near WSM-2. Whether the Regional Board will reopen the WDRs or issues some other compliance order during the term of this proposal is unknown. Nevertheless, based on our understanding of the issues and current Regional Board obligations, we do not think these actions are likely. Therefore, this proposal does not include specific scope and budget to accommodate a review of revised WDRs. However, tasks are included for general regulatory program management and as-needed WPCF support services that could partially accommodate support needed if the Regional Board chooses to reopen the WDRs and/or issue some other compliance order related to the City's groundwater studies.

General WRRs and Recycled Water NOA

The City completed construction of a tertiary storage pond in late 2019, and storage of disinfected tertiary recycled water in the new storage pond is permitted under the General WRRs and the Recycled Water NOA. The Recycled Water NOA also permits a proposed recycled water Fill Station at the WPCF. The Recycled Water NOA was issued in December 2018 and does not have an expiration date. Renewal or revisions to the Recycled Water NOA and General WRRs are not anticipated to occur during FY 20/21 and 21/22.

The Recycled Water NOA has limited monitoring and reporting requirements related to the tertiary pond operations. West Yost assisted the City under the current contract in developing a template for the annual report that is required. It is anticipated that the City would need only very limited assistance, if any, with these ongoing requirements.

The monitoring and reporting requirements under the Recycled Water NOA would be increased if the City were to construct a Fill Station and implement an off-site recycled water use program. However, those actions are not anticipated to occur during the term of this project. The scope and fee estimate provided in this proposal therefore do not include support services related to the development of and/or permit compliance for an off-site recycled water use program.

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Dredger Cut Water Rights Reporting

The City maintains a License Number for Diversion and Use of Water, Permit Number 7424/License Number 3906. This license allows for 5.84 cubic feet per second to be diverted each year from Dredger Cut for irrigation and stock-watering uses. The specified "Place of Use" under this permit is an approximately 400-acre portion of the City-owned agricultural fields that is comprised of Fields 5A through 5D and 6A through 6D.

The City submits annual Licensee Reports to the State Water Board to document diversions from Dredger Cut or other in-lieu water use on the Place of Use fields. These in-lieu uses have included irrigation with recycled water and groundwater. Since 2013, the City has relied on recycled water and groundwater for irrigation in lieu of diverting water from Dredger Cut.

A licensed water right can be revoked after a long enough period of non-use (typically at least five years). Under Water Code section 1010, the water user's licensed right is protected from revocation where water use reductions are due to the use of recycled water - but only to the extent of the recycled water use. Therefore, the City's continued reporting of in-lieu use is critical for protecting the City's right for diversions.

The volume of water applied to the designated Place of Use is typically only a portion of the City's total available under the diversion license. However, because the Place of Use only represents a portion of the total land application area, the City's overall irrigation water demands are much more significant than the reported in-lieu amounts. Moreover, the City's irrigation system is not configured to limit irrigation water applications to only the Place of Use. Therefore, even if a diversion were to occur, it would be difficult to limit irrigation to only this area. For these reasons, the City is recommended to seek a change in Place of Use so that the entire City-owned irrigation area is considered for in-lieu water use. The scope of services includes support related to this effort.

MAJOR ASSUMPTIONS

The City will be responsible for completing any sampling needed to achieve the objectives of the tasks outlined in the scope of services, and that the City will contract directly with a certified laboratory for completing any necessary analytical efforts. Under the Regulatory Program Management task described herein, West Yost will provide support for coordinating any necessary sampling and analysis efforts with other regulatory needs.

To ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost Quality Assurance/Quality Control policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products.

Significant CEQA work will not be required to support the Change Petition and significant protests will not be filed in response to the submitted Change Petition.

The State Water Board will approve the Change in Place of Use, and ongoing support to the City with respect to reporting recycled water applied to the existing Place of Use will not be required beyond FY 20/21.

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SCOPE OF SERVICES

Phase 1

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 20/21. The following specific tasks are identified:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination
- Task 1.4 Groundwater Reporting Support
- Task 1.5 NOA Adoption Support
- Task 1.6 Place of Use Change Petition Support
- Task 1.7 As-Needed WPCF Support Services

Task 1.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

~~Task 1.1 Deliverables:~~ Monthly invoices and descriptions of services performed will be provided in PDF format.

Task 1.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 20/21. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Supporting the City to respond to mercury monitoring and reporting requirements required as part of the Regional Board's mercury Total Maximum Daily Load effort.

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7. **Completing reviews of collected monitoring data to identify potential future regulatory concerns.**
8. **Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.**
9. **Attending and preparing for meetings to discuss the results of regulatory program management activities.**
10. **Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.**
11. **Providing minor support related to the following:**
 - **Title 22 Issues;**
 - **Toxicity Reduction Evaluation efforts being completed separately; or**
 - **San Joaquin Valley Air Pollution Control District Biosolids Rule.**

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 1.2/Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff when services under this task are required.

Task 1.3 Land Application Monitoring Coordination

This task involves providing the following services:

- **Review the 2020 land application monitoring data and development of the 2020 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2021.**
- **Prepare the online 2020 Annual Biosolids Application Report, which is due to the USEPA by February 19, 2021, and will need to be certified and submitted by City staff.**
- **Review of the monthly land application reports under the WDRs completed for the months of June 2020 through May 2021.**
- **Participation in an annual land management kickoff meeting in early 2021 to discuss planned annual operations and up to nine monthly meetings between July 2020 and June 2021 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.**

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Task 1.3 Deliverables: Draft and Final 2020 Annual Land Management Reports and Draft 2020 Annual Biocredits Application Report. All documents will be provided in an electronic PDF format.

Draft agendas and related handouts for the former coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.

Task 1.4 Groundwater Reporting Support:

West Yost's efforts during FY 20/21 will include support with developing the Quarterly Groundwater Monitoring Reports for Third Quarter 2020 through Second Quarter 2021 and the 2020 Annual Groundwater Monitoring Report.

For the Quarterly Groundwater Monitoring Reports, West Yost will develop quarterly groundwater elevation contour maps using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions. It is assumed the City will incorporate this information in the Quarterly Monitoring Reports submitted to the Regional Board.

For the 2020 Annual Groundwater Monitoring Report, West Yost will prepare statistical analyses of 2020 groundwater quality data and the 2020 Annual Background Groundwater Quality Evaluation, like previous years. The information will be included in a Groundwater Evaluation Report that is intended to be attached to the Annual Groundwater Monitoring Report developed by the City. To the extent necessary, these reports will document compliance actions taken or corrective actions recommended with respect to groundwater limitation compliance.

Task 1.4 Deliverables: Four figures depicting the contour information to be included in the Quarterly Groundwater Monitoring Reports for Third Quarter 2020 through Second Quarter 2021. Four emails provided quarterly along with the contour maps, discussing seasonal trends and comparison to previous groundwater flow directions.

Groundwater Evaluation Report summarizing the statistical analyses and compliance/corrective actions to be included as attachments to the 2020 Annual Groundwater Monitoring Report prepared by City staff.

The maps and Groundwater Evaluation Report will be provided in an electronic PDF format.

Task 1.5 NOA Adoption Support:

West Yost will review the Draft NOA for errors or concerns relative to the City's current permit and other recent, similar permits issued by the Regional Board. West Yost will prepare a list of suggested comments for City consideration and participate in a conference call with City staff to discuss the suggested comments. Following this discussion, West Yost will prepare a draft comment document for City staff review. Following this review, West Yost will prepare a final comment document for City submission to the Regional Board. It is assumed that comments on the Draft NOA, if any, will be minor and can be addressed in a letter from the City to the Regional Board.

West Yost will also participate in discussions with Regional Board staff, as needed, to discuss the NOI submission and/or City comments. It is difficult to predict the level of effort that will be needed to respond to Regional Board requests and review and respond to the draft permit, so the scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time-and-materials basis, and monthly invoices will detail

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the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be warranted in the future. Conversely, if the estimated fee is not expended in the timeframe anticipated for this scope of work, it may be directed toward the completion of other efforts.

Task 1.5 Deliverables: One (1) electronic copy (in PDF format) of the list of suggested comments on the Draft NOA; One (1) electronic copy (in PDF format) of the draft NOA comment document; One (1) electronic copy (in MS Word format) of the NOA comment document to be printed on City letterhead and submitted to the Regional Board.

Task 1.6 Place of Use Change Pollution Support

This task involves preparing a Place of Use Change Petition for State Water Board review. The purpose of the petition will be to request an expansion of the City's Place of Use for water diverted from Dredger Cut under the existing License for Diversion. This documentation includes a completed Change Petition and Environmental Information forms and a cover letter. Support from our legal subconsultant SSD will also be needed for this task, and budget for SSD has been included for these efforts.

Two conference calls with West Yost, SSD, and City staff are also included in this task. One call would precede the other work on this task and be focused on discussing the strategy and overall approach/timeline. The second call would be following submittal of draft Place of Use Change Petition to the City to discuss City comments before finalizing.

One meeting with West Yost, City, SSD and State Water Board staff is also assumed following submission of the Place of Use Change Petition.

Task 1.6 Deliverables: Draft and Final Change Petition and Environmental Information forms in electronic PDF format and draft Cover Letter in MS Word format for City finalization.

Task 1.7 As-Needed WPCF Support Services

The City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 1.7 Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff if and when services under this task are required.

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Phase 2

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 21/22. The following specific tasks are identified:

- Task 2.1 Project Management
- Task 2.2 Regulatory Program Management
- Task 2.3 Land Application Monitoring Coordination
- Task 2.4 Groundwater Reporting Support
- Task 2.7 As-Needed WPCF Support Services

Tasks for NOA Adoption Support and Place of Use Change Petition Support are not expected to be needed for Phase 2, as they will be completed as part of the Phase 1 efforts.

Task 2.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be included with monthly invoices.

~~Task 2.1 Deliverables: Monthly invoices and descriptions of services performed will be provided in PDF format.~~

Task 2.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 21/22. Assistance under this task may include, but is not limited to, the following items:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Supporting the City to respond to mercury monitoring and reporting requirements required as part of the Regional Board's mercury Total Maximum Daily Load effort.
7. Completing reviews of collected monitoring data to identify potential future regulatory concerns.

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8. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
9. Attending and preparing for meetings to discuss the results of regulatory program management activities
10. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
11. Providing minor support related to the following:
 - Title 22 Issues,
 - Toxicity Reduction Evaluation efforts being completed separately, or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 2.2 Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff when services under this task are required.

Task 2.3 Land Application Monitoring Coordination

This task involves providing the following items:

- Review the 2021 land application monitoring data and development of the 2021 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2022.
- Prepare the online 2021 Annual Biosolids Application Report, which is due to the USEPA by February 19, 2022, and will need to be certified and submitted by City staff.
- Review of the monthly land application reports under the WDRs completed for the months of June 2021 through May 2022.
- Participation in an annual land management kickoff meeting in early 2022 to discuss planned annual operations and up to nine monthly meetings between July 2021 and June 2022 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.

Task 2.3 Deliverables: Draft and Final 2021 Annual Land Management Reports and Draft 2021 Annual Biosolids Application Report. All documents will be provided in an electronic PDF format.

Draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants

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Task 2.4 Groundwater Reporting Support

West Yost's efforts during FY 21/22 will include support with developing the Quarterly Groundwater Monitoring Reports for Third Quarter 2021 through Second Quarter 2022 and the 2021 Annual Groundwater Monitoring Report.

For the Quarterly Groundwater Monitoring Reports, West Yost will develop quarterly groundwater elevation contour maps using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions. It is assumed the City will incorporate this information in the Quarterly Monitoring Reports submitted to the Regional Board.

For the 2021 Annual Groundwater Monitoring Report, West Yost will prepare statistical analyses of 2021 groundwater quality data and the 2021 Annual Background Groundwater Quality Evaluation, like previous years. The information will be included in a report that is intended to be attached to the Annual Groundwater Monitoring Report developed by the City. To the extent necessary, these reports will document compliance actions taken or corrective actions recommended with respect to groundwater limitation compliance.

Task 2.5 Deliverables: Four figures depicting the contour information to be included in the Quarterly Groundwater Monitoring Reports for Third Quarter 2021 through Second Quarter 2022. Four maps provided quarterly along with the contour maps, discussing seasonal trends and comparison to previous groundwater flow directions.

Groundwater Evaluation Report summarizing the statistical analyses and compliance/corrective actions to be included as attachments to the 2021 Annual Groundwater Monitoring Report prepared by City staff.

The maps and Groundwater Evaluation Report will be provided in an electronic PDF format.

Task 2.7 As-Needed WPCF Support Services

The City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studios and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 2.7 Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff if and when services under this task are required.

Mr. Lance Roberts
 May 26, 2020
 Page 13

ESTIMATED FEE

The estimated total fee for the scope of work described above is provided in Table 1, including subtotals for each of the two phases and estimated fees by task. West Yost will perform all work on an hourly basis at standard company charge rates and will not exceed the estimated cost without written authorization. Attachment A provides West Yost's 2020 charge rate schedule.

If additional budget is required to complete work identified herein, West Yost will request City authorization prior to exceeding the budget.

Table 1. Estimated Fee for FY 20/21 and FY 21/22 Regulatory Support, dollars			
Task	West Yost Fee 2020/21	WYD Fee 2021/22	Total Fee 2020/21
Phase 1			
Task 1.1 Project Management	3,800	-	3,800
Task 1.2 Regulatory Program Management	12,500	2,500	15,000
Task 1.3 Land Application Monitoring Coordination	33,400	-	33,400
Task 1.4 Groundwater Reporting Support	15,300	-	15,300
Task 1.5 NOA Adoption Support	9,400	-	9,400
Task 1.6 Water Rights Reporting Support	15,400	6,500	21,900
Task 1.7 As-Needed WPCF Support Services	12,500	-	12,500
Subtotal for Phase 1 Tasks	\$162,200	\$9,000	\$171,200
Phase 2			
Task 2.1 Project Management	3,800	-	3,800
Task 2.2 Regulatory Program Management	12,000	2,500	14,500
Task 2.3 Land Application Monitoring Coordination	34,400	-	34,400
Task 2.4 Groundwater Reporting Support	15,800	-	15,800
Task 2.7 As-Needed WPCF Support Services	12,000	-	12,000
Subtotal for Phase 2 Tasks	\$78,000	\$2,500	\$80,500
Total for Phases 1 and 2	\$240,200	\$11,500	\$251,700

SCHEDULE

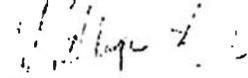
The time period for this project is defined as July 1, 2020, through June 30, 2021, for Phase 1 and July 1, 2021, through June 30, 2022, for Phase 2. Work will begin upon notice to proceed from the City. Phase 1 will be completed by June 30, 2021, and Phase 2 will be completed by June 30, 2022. All work will be performed in a timely manner in accordance with the City's permit requirements. Each major deliverable will be prepared on a schedule that provides City staff with at least two weeks for review and comment.

Mr. Lance Roberts
May 26, 2020
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West Yost appreciates the opportunity to provide additional permitting services to the City. Please contact Kathryn Gies or Charles Hardy if you have any questions or need additional information.

Sincerely,

WEST YOST ASSOCIATES



Kathryn E. Gies, PE,
RCE #65022
Engineering Manager

cc: Charles Hardy
West Yost Associates

Attachment A: West Yost Associates 2020 Billing Rate Schedule

ATTACHMENT A
West Yost Associates 2020 Billing Rate Schedule



2020 Billing Rate Schedule

(Effective January 1, 2020 through December 31, 2020) *

POSITIONS	LABOR CHARGES (DOLLARS PER HR)
ENGINEERING	
Principal/Vice President	\$298
Engineering/Scientist/Geologist Manager I / II	\$283 / \$296
Principal Engineer/Scientist/Geologist I / II	\$267 / \$272
Senior Engineer/Scientist/Geologist I / II	\$230 / \$241
Associate Engineer/Scientist/Geologist I / II	\$198 / \$212
Engineer/Scientist/Geologist I / II	\$180 / \$186
Engineering Aide	\$82
Administrative I / II / III / IV	\$81 / \$102 / \$123 / \$136
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$281 / \$284
Principal Tech Specialist I / II	\$268 / \$278
Senior Tech Specialist I / II	\$245 / \$255
Senior GIS Analyst	\$224
GIS Analyst	\$211
Technical Specialist I / II / III / IV	\$158 / \$178 / \$200 / \$223
Cross Connection Specialist I / II / III / IV	\$117 / \$127 / \$143 / \$159
CAD Manager	\$178
CAD Designer I / II	\$138 / \$155
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$268
Construction Manager I / II / III / IV	\$174 / \$186 / \$188 / \$251
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$152 / \$168 / \$188 / \$186
Apprentice Inspector	\$136
CM Administrative I / II	\$74 / \$88
Field Services	\$198

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- Mileage will be billed at the current Federal Rate and Travel will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2020 Billing Rate Schedule (continued)

(Effective January 1, 2020 through December 31, 2020) *

Equipment Charges

EQUIPMENT	BILLING RATES
Gas Detector	\$80/day
Hydrant Pressure Gauge	\$10/day
Hydrant Pressure Recorder, Standard	\$40/day
Hydrant Pressure Recorder, Impulse (Transient)	\$55/day
Trimble GPS - Geo 7x	\$220/day
Vehicle	\$10/hour
Water Flow Probe Meter	\$20/day
Water Quality Multimeter	\$185/day
Well Sounder	\$30/day

Signature: *Janice D. Magdich*

Email: jmagdich@lodi.gov

Signature: *Stefan Schwabauer*

Email: sschwabauer@lodi.gov



1001 Galaxy Way
Suite 310
Concord CA 94520

Exhibit 2

925.949.5800 phone
530.756.5991 fax
westyost.com

December 23, 2020

SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
1331 South Ham Lane
Lodi, CA 95240

**SUBJECT: Budget Augmentation Request for WPCF Regulatory Services for
FY 20/21 and FY 21/22**

Dear Mr. Roberts:

West Yost has been providing regulatory and planning support services to the City of Lodi (City) for the Water Pollution Control Facility (WPCF) under the Regulatory Services for Fiscal Year (FY) 20/21 and FY 21/22 (the "Project") since July 2020. The purpose of this letter is to request an amendment to the Scope of Services and budget for this Project.

Specifically, the City recently received two detailed Requests for Information (RFIs) from two regulatory agencies that require extensive responses. West Yost has also recently identified changes that are needed to some of the City's previously submitted reports and to the Excel spreadsheets used by the City to develop routine monitoring reports. The requested amendment addresses these additional services.

Included in this letter are a summary of West Yost's current scope of services; background information on the additional services needed; the scope of services for the additional efforts and a requested budget augmentation.

CONTRACTED SCOPE OF SERVICES

The Scope of Services for the Project includes several tasks, split into two phases. Phase 1 Scope of Services was envisioned to cover tasks required within the first FY (i.e. FY 2020/2021) and Phase 2 within the second FY (i.e. FY 2020/2021). FY 20/21 runs through June 2021, so the Project is currently within Phase 1.

Phase 1 Scope of Services includes the following tasks:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination
- Task 1.4 Groundwater Reporting Support
- Task 1.5 NOA Adoption Support

Mr. Lance Roberts
December 23, 2020
Page 2

- Task 1.6 Place of Use Change Petition Support
- Task 1.7 As-Needed WPCF Support Services

The efforts described herein would be covered under Task 1.2, which is described as follows:

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 20/21. Assistance under this task may include, but is not limited to, the following services:

- Providing assistance to the City, as needed, for developing responses to Regional Board [Central Valley Regional Water Quality Control Board] requests.
- Helping the City to develop monitoring programs, as appropriate.
- Maintaining a database of regularly collected monitoring data.
- Assistance with developing or reviewing monitoring reports required under the City's permitting program.
- Assistance with responding to Notices of Violation or other potential compliance notifications.
- Supporting the City to respond to mercury monitoring and reporting requirements required as part of the Regional Board's mercury Total Maximum Daily Load effort.
- Completing reviews of collected monitoring data to identify potential future regulatory concerns.
- Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
- Attending and preparing for meetings to discuss the results of regulatory program management activities.
- Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
- Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts. The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Mr. Lance Roberts
December 23, 2020
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As noted, however, assistance with as-needed support under Task 1.2 is limited to the budget identified for the task. The additional services needed to respond to the two RFIs, revise the previously submitted reports, and update the Excel spreadsheets used by the City to develop routine monitoring reports exceeds the available budget for this task.

BACKGROUND

Regional Board RFI

The land application practices activities associated with the WPCF are permitted by the Regional Board under *Waste Discharge Requirements and Master Reclamation Permit Order No. R5-2007-0113-01 (WDRs)*. The WDRs require submission of monthly, quarterly and annual Self-Monitoring Reports (SMRs) to the Regional Board.

On October 13, 2020, Regional Board staff submitted comments and questions to the City on the City's April 2019 SMR; and on October 27, 2020, the Regional Board submitted an additional set of questions along with a table listing missing data for monthly and quarterly SMRs from the period of April 2019 through August 2020.

USEPA RFI

The United States Environmental Protection Agency (USEPA) also has jurisdiction over the WPCF biosolids operations in accordance with Section 40, Part 503 of the Code of Federal Regulations (40 CFR 503). The City submits annual reports to the USEPA to describe the City's compliance with the requirements 40 CFR 503.

The City received an RFI letter dated September 8, 2020, from the USEPA Region 7 seeking information regarding the City's compliance with requirements of 40 CFR 503, specifically for biosolids generated at the WPCF in 2019 and 2020. Six categories of information were requested, with sixteen different items required for each year.

Although much of the information needed for the USEPA response would be developed under the City's Annual Biosolids Reports, the City and West Yost have decided to also evaluate alternative reporting strategies to more accurately reflect current operations and practices as part of this effort. These strategies include:

- Evaluating nitrogen loadings on a seasonal basis (September through August of the next year) rather than the annual basis. Evaluating nitrogen loads on a seasonal basis is more consistent with the farming operations at the WPCF.
- Evaluating the potential for additional denitrification (nitrogen removal) in the soils receiving irrigation water containing cannery process water. The WPCF receives cannery process water during the Summer and early Fall, and the carbon to nitrogen ratio of this water can be relatively high during the peak canning season and encourage growth of denitrifying microbes in the soil. If denitrification is occurring, the applied nitrogen loadings may not be fully available to the crops being grown, and additional nitrogen would be needed for crop health.

Revised Reports

In reviewing the City's SMRs as part of preparing the RFI response, it became apparent that the City's recent quarterly SMRs have not included details on the well sampling practices, the log reports of sampling, and the historic groundwater data summaries, which the WDRs require as part of the quarterly SMRs. Therefore, the City will need to submit revised quarterly SMRs for Fourth Quarter 2019, First Quarter 2020 and Second Quarter 2020.

The Regional Board RFI also revealed that the City's monthly April 2020 SMR submittal was did not include several items required by the WDRs, such as hydraulic and nitrogen loading sheets and field observation sheets. Because so much information was missing from this SMR, West Yost recommends that the City submit a complete, revised April 2020 SMR.

Finally, although not reviewed by the Regional Board, the City will need to resubmit the May through October 2020 SMRs to address similar data issues that were identified by the Regional Board with the April 2019 through August 2020 reports.

Reporting Spreadsheet Updates

Updates to the Excel spreadsheets used for routine monthly, quarterly and annual reporting are needed for the following reasons:

- In preparing the responses to the Regional Board RFIs, we identified some minor improvements that will assist the Regional Board with future review.
- The spreadsheets need to be updated to provide the ability to consider seasonal nitrogen loadings and denitrification impacts that were discussed previously
- The City recently requested that the Regional Board allow for some minor agricultural field consolidations with respect to reporting of irrigation water loadings, and changes to the spreadsheets are needed to reflect these consolidations.
- The City installed a new irrigation flow meter in May 2020 that includes measurement of both treated WPCF effluent from the storage ponds and industrial influent, whereas the previous flow meter did not include the industrial influent flows. The current spreadsheet allows for reporting both ways, which can create confusion. A small adjustment to the spreadsheets will prevent future confusion related to this flow meter change.

West Yost recommends that updated spreadsheets be developed through 2026. While the level of effort needed to provide spreadsheets for subsequent years is minor, we recommend that the City revisit the need for these spreadsheets at a later date, as additional updates may be identified over time.

Once new spreadsheets are developed, they need to be uploaded on the City's server and linked to the City's files. Like past spreadsheet uploads, a West Yost staff member would travel to the WPCF to place the new files on the server and set up the links.

ADDITIONAL SCOPE OF SERVICES

Regional Board RFI Response

The following services are required to assist the City in responding to the Regional Board RFI:

- Review the Regional Board comments relative to data and files available in West Yost files.
- Coordinate with City staff to provide additional data and information to adequately respond to the Regional Board questions.
- Review City analytical laboratory reports and operational log sheets to confirm various missing data items and apparent data concerns, such as reported elevated tertiary effluent turbidity values.
- Communicate with City staff to troubleshoot complicated data questions, including issues related to the City's Supervisory Control and Data Acquisition (SCADA) system.
- Preparation of a draft and final Technical Memorandum (TM) that presents the City's response to the Regional Board staff's comments, with multiple attachments providing backup data and information.
- Prepare a draft cover letter for City staff to finalize to accompany the TM when submitted to the Regional Board.
- Participate in a conference call with Regional Board and City staff following submittal of the final TM to the Regional Board.

Task 1 Deliverables

- West Yost will provide a draft and final TM providing an RFI response to the Regional Board in Electronic (PDF) format.
- West Yost will prepare a cover letter for the City to finalize to accompany the TM.

USEPA RFI Response

The following services are required to assist the City in responding to Regional Board RFI:

- Coordinate with City staff to provide additional data and information to adequately respond to the USEPA request;
- Coordinate with City staff to document volatile solids reduction data to address USEPA vector attraction reduction requirements;
- Modify the City's 2019 and 2020 nitrogen loading spreadsheets to report on a seasonal rather than annual basis and consider denitrification in the soil when cannery process water is applied during peak canning season;
- Prepare a draft and final Technical Memorandum (TM) that presents the City's response to the USEPA RFI, with multiple attachments providing backup data and information; and
- Prepare a draft cover letter for City staff to finalize to accompany the TM when submitted to the USEPA.

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- Participate in a conference call with USEPA and City staff following submittal of the final TM to the USEPA.

Deliverables for USEPA RFI Response

- West Yost will provide a draft and final TM providing an RFI response to the Regional Board in electronic (PDF) format.
- West Yost will prepare a draft cover letter for the City to finalize to accompany the TM.

Revised Reports

West Yost will work the City to develop the following revised reports:

- April 2020 SMR that includes all the required monitoring data
- Quarterly SMRs for Fourth Quarter 2019, First Quarter 2020 and Second Quarter 2020 that include details on the well sampling practices, the log reports of sampling, and the historic groundwater data summaries, as well as the other items that were included in the original quarterly SMRs.

West Yost will prepare draft cover letters to accompany the submittal of the revised reports.

Deliverables for Revised Reports

- West Yost will provide Revised SMRs for April 2020, Fourth Quarter 2019, First Quarter 2020 and Second Quarter 2020 in electronic (PDF) format and draft City cover letters in electronic (MS Word) format.

Reporting Spreadsheet Updates

West Yost will develop the following updates to the City's 2021 land management spreadsheets:

- Add maximum and minimum values to all columns of the main land management report.
- Create a new spreadsheet that calculates nitrogen loading on a seasonal basis.
- Include analysis of denitrification impacts in the annual and seasonal nitrogen loading spreadsheets.
- Allow for adjustments to the irrigation efficiency to reflect current system losses and allow for quick adjustment after the City has completed planned improvements to the irrigation system.
- Revise reporting of industrial influent flows in accordance with City's new irrigation meter.
- Create a new spreadsheet that converts City HACH-WIMS output to numeric values.
- Update the crop listings in the report footers and provide instructions on regular updates.
- Update cumulative metals loading data to provide the City with accurate records dating back to January 2000 when sampling began.

West Yost will prepare copies of updated spreadsheets for 2021 and upload it to the City's server. The new spreadsheet will be used through the 2021 irrigation season to confirm that additional edits are not required. At the end of the 2021 irrigation season, the City will upload spreadsheets for 2022 through

Mr. Lance Roberts
December 23, 2020
Page 7

2026. The final product of this effort would be a copy of the spreadsheets uploaded, linked and tested on the City's server by West Yost.

Deliverables for USEPA RFI Response

- West Yost will provide revised monthly, quarterly and annual land management reporting spreadsheets in Excel format for 2021 through 2026, uploaded and linked on the City's server

BUDGET AUGMENTATION REQUEST

The proposed additional budget for the additional services required under Task 1.2 is presented in Table 1. West Yost will perform the Scope of Services on a time-and-expenses basis, based on the hours indicated and West Yost's contracted rates. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Proposed Budget Augmentation for Task 1.2

Task	Level of Effort (hours)	Estimated Budget (dollars)
Regional Board RFI Response	66	19,600
USEPA RFI Response	72	20,700
Revised Reports	12	1,800
Reporting Spreadsheet Updates	80	20,000
Total	230	\$62,100

With this adjustment, the total Contract amount would increase from \$193,700 to \$255,800.

We appreciate your time in reviewing the requested modifications. Please do not hesitate to let me know if you would like to discuss the information in more detail. Thank you for your consideration in this matter.

Sincerely,

WEST YOST

Charles Hardy, PE
Senior Engineer
RCE#71015

Kathryn E. Gies, PE
Engineering Manager
RCE #65022

AMENDMENT NO. 3

WEST YOST & ASSOCIATES, INC.
TASK ORDER NO. 49

THIS AMENDMENT, made and entered this 18th day of August, 2022, by and between the CITY OF LODI, a municipal corporation (hereinafter "CITY"), and WEST YOST & ASSOCIATES, INC., a California corporation (hereinafter called "CONTRACTOR").

WITNESSETH:

1. WHEREAS, CONTRACTOR and CITY entered into Task Order No. 49 on September 1, 2020, Amendment No. 1 on April 12, 2021, and Amendment No. 2 on October 12, 2021, (collectively the "Agreement"), attached hereto as Exhibits 1, 1A, and 1B, respectively, and made a part hereof; and
2. WHEREAS, CITY requested to extend the term of the Agreement to June 30, 2024; and
3. WHEREAS, CITY requested to increase the fees by \$413,100, for a total not to exceed amount of \$716,500; and
4. WHEREAS, CITY requested to amend the existing scope of services to include additional state permit requirements, as set forth in Exhibit 2, attached hereto and made a part of; and
5. WHEREAS, CONTRACTOR agrees to said amendments; and

NOW, THEREFORE, the parties agree to extend the term of the Agreement to June 30, 2024, increase the not to exceed amount of the Agreement, and expand the scope of services as set forth above. All other terms and conditions of the Agreement remain unchanged.

IN WITNESS WHEREOF, CITY and CONTRACTOR have executed this Amendment No. 3 on the date and year first above written.

CITY OF LODI, a municipal corporation

WEST YOST & ASSOCIATES, INC., a California corporation

Herein above called "CITY"

Hereinabove called "CONTRACTOR"

By: 
STEPHEN SCHWABAUER
City Manager

By: 
JEFFREY PELZ
Vice President

Attest:


OLIVIA NASHED
City Clerk

Approved as to Form:


JANICE MAGDICH
City Attorney





1001 Galaxy Way
Suite 310
Concord CA 94520

Exhibit 2

925.949.5800 phone
530.756.5991 fax
westyost.com

December 23, 2020

SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
1331 South Ham Lane
Lodi, CA 95240

**SUBJECT: Budget Augmentation Request for WPCF Regulatory Services for
FY 20/21 and FY 21/22**

Dear Mr. Roberts:

West Yost has been providing regulatory and planning support services to the City of Lodi (City) for the Water Pollution Control Facility (WPCF) under the Regulatory Services for Fiscal Year (FY) 20/21 and FY 21/22 (the "Project") since July 2020. The purpose of this letter is to request an amendment to the Scope of Services and budget for this Project.

Specifically, the City recently received two detailed Requests for Information (RFIs) from two regulatory agencies that require extensive responses. West Yost has also recently identified changes that are needed to some of the City's previously submitted reports and to the Excel spreadsheets used by the City to develop routine monitoring reports. The requested amendment addresses these additional services.

Included in this letter are a summary of West Yost's current scope of services; background information on the additional services needed; the scope of services for the additional efforts and a requested budget augmentation.

CONTRACTED SCOPE OF SERVICES

The Scope of Services for the Project includes several tasks, split into two phases. Phase 1 Scope of Services was envisioned to cover tasks required within the first FY (i.e. FY 2020/2021) and Phase 2 within the second FY (i.e. FY 2020/2021). FY 20/21 runs through June 2021, so the Project is currently within Phase 1.

Phase 1 Scope of Services includes the following tasks:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination
- Task 1.4 Groundwater Reporting Support
- Task 1.5 NOA Adaption Support

Mr. Lance Roberts
December 23, 2020
Page 3

As noted, however, assistance with as-needed support under Task 1.2 is limited to the budget identified for the task. The additional services needed to respond to the two RFIs, revise the previously submitted reports, and update the Excel spreadsheets used by the City to develop routine monitoring reports exceeds the available budget for this task.

BACKGROUND

Regional Board RFI

The land application practices activities associated with the WPCF are permitted by the Regional Board under *Waste Discharge Requirements and Master Reclamation Permit Order No. RS-2007-0113-01* (WDRs). The WDRs require submission of monthly, quarterly and annual Self-Monitoring Reports (SMRs) to the Regional Board.

On October 13, 2020, Regional Board staff submitted comments and questions to the City on the City's April 2019 SMR; and on October 27, 2020, the Regional Board submitted an additional set of questions along with a table listing missing data for monthly and quarterly SMRs from the period of April 2019 through August 2020.

USEPA RFI

The United States Environmental Protection Agency (USEPA) also has jurisdiction over the WPCF biosolids operations in accordance with Section 40, Part 503 of the Code of Federal Regulations (40 CFR 503). The City submits annual reports to the USEPA to describe the City's compliance with the requirements 40 CFR 503.

The City received an RFI letter dated September 8, 2020, from the USEPA Region 7 seeking information regarding the City's compliance with requirements of 40 CFR 503, specifically for biosolids generated at the WPCF in 2019 and 2020. Six categories of information were requested, with sixteen different items required for each year.

Although much of the information needed for the USEPA response would be developed under the City's Annual Biosolids Reports, the City and West Vost have decided to also evaluate alternative reporting strategies to more accurately reflect current operations and practices as part of this effort. These strategies include:

- Evaluating nitrogen loadings on a seasonal basis (September through August of the next year) rather than the annual basis. Evaluating nitrogen loads on a seasonal basis is more consistent with the farming operations at the WPCF.
- Evaluating the potential for additional denitrification (nitrogen removal) in the soils receiving irrigation water containing cannery process water. The WPCF recycles cannery process water during the Summer and early Fall, and the carbon to nitrogen ratio of this water can be relatively high during the peak canning season and encourage growth of denitrifying microbes in the soil. If denitrification is occurring, the applied nitrogen loadings may not be fully available to the crops being grown, and additional nitrogen would be needed for crop health.

ADDITIONAL SCOPE OF SERVICES

Regional Board RFI Response

The following services are required to assist the City in responding to the Regional Board RFI:

- Review the Regional Board comments relative to data and files available in West Yost files.
- Coordinate with City staff to provide additional data and information to adequately respond to the Regional Board questions.
- Review City analytical laboratory reports and operational log sheets to confirm various missing data items and apparent data concerns, such as reported elevated tertiary effluent turbidity values.
- Communicate with City staff to troubleshoot complicated data questions, including issues related to the City's Supervisory Control and Data Acquisition (SCADA) system.
- Preparation of a draft and final Technical Memorandum (TM) that presents the City's response to the Regional Board staff's comments, with multiple attachments providing backup data and information.
- Prepare a draft cover letter for City staff to finalize to accompany the TM when submitted to the Regional Board.
- Participate in a conference call with Regional Board and City staff following submittal of the final TM to the Regional Board.

Task 1 Deliverables

- West Yost will provide a draft and final TM providing an RFI response to the Regional Board in Electronic (PDF) format.
- West Yost will prepare a cover letter for the City to finalize to accompany the TM.

USEPA RFI Response

The following services are required to assist the City in responding to Regional Board RFI:

- Coordinate with City staff to provide additional data and information to adequately respond to the USEPA request;
- Coordinate with City staff to document volatile solids reduction data to address USEPA vector attraction reduction requirements;
- Modify the City's 2019 and 2020 nitrogen loading spreadsheets to report on a seasonal rather than annual basis and consider denitrification in the soil when canner process water is applied during peak canning season;
- Prepare a draft and final Technical Memorandum (TM) that presents the City's response to the USEPA RFI, with multiple attachments providing backup data and information; and
- Prepare a draft cover letter for City staff to finalize to accompany the TM when submitted to the USEPA.

Mr. Lance Roberts
December 23, 2020
Page 7

2026. The final product of this effort would be a copy of the spreadsheets uploaded, linked and tested on the City's server by West Yost.

Deliverables for USEPA RFI Response

- West Yost will provide revised monthly, quarterly and annual land management reporting spreadsheets in Excel format for 2021 through 2026, uploaded and linked on the City's server

BUDGET AUGMENTATION REQUEST

The proposed additional budget for the additional services required under Task 1.2 is presented in Table 1. West Yost will perform the Scope of Services on a time-and-expenses basis, based on the hours indicated and West Yost's contracted rates. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Proposed Budget Augmentation for Task 1.2

Task	Level of Effort (hours)	Estimated Budget (dollars)
Regional Board RFI Response	66	19,600
USEPA RFI Response	72	20,700
Revised Reports	12	1,800
Reporting Spreadsheet Updates	80	20,000
Total	230	\$62,100

With this adjustment, the total Contract amount would increase from \$193,700 to \$255,800.

We appreciate your time in reviewing the requested modifications. Please do not hesitate to let me know if you would like to discuss the information in more detail. Thank you for your consideration in this matter.

Sincerely,

WEST YOST

Charles Hardy, PE
Senior Engineer
RCE#71015

Kathryn E. Gies, PE
Engineering Manager
RCE #65022

EXHIBIT 2



May 30, 2024

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SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
Public Works Department
Lodi, CA 95240

SUBJECT: Proposal for Engineering Services – WPCF Regulatory Services for FY 24/25 and FY 25/26

Mr. Roberts:

West Yost appreciates the opportunity to present to the City of Lodi (City) this letter proposal for ongoing engineering services related to assisting the City in meeting permitting requirements for the City's White Slough Water Pollution Control Facility (WPCF). The scope of work described in this letter proposal is intended to cover regulatory related support efforts anticipated to be needed during Fiscal Year 2024/2025 (FY 24/25) and Fiscal Year 2025/2026 (FY 25/26) for the WPCF water and biosolids discharges that are regulated by the Central Valley Regional Water Quality Control Board (Regional Board) under the following discharge permits:

- General Permit for Municipal Wastewater Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (General Permit) Order R5-2023-0025 and site-specific Notice of Applicability (NOA) R5-2017-0085-003 for coverage under the General Permit
- Waste Discharge Requirements (WDRs), Order No. R5-2007-0113-01
- NOA WQ-2016-0068-DDW-R5007 (Recycled Water NOA) for coverage under the State Water Resources Control Board's (State Water Board's) Order WQ 2016-0068-DDW Waste Reclamation Requirements for Recycled Water Use (General WRRs)

The Scope of Work and Fee Estimate provided in this proposal have been divided into two phases, one for each of the fiscal years covered. It is understood that the City may authorize services for either both years together and each year separately.

The remainder of this proposal is organized around the following sections:

- Project Understanding
- Major Assumptions
- Scopes of Services
- Estimated Fee
- Schedule

PROJECT UNDERSTANDING

This section presents our team's understanding and approach to the proposed work under the following topics:

- General Permit and NOA for Surface Water Discharge
- WDRs for Land Application
- WDRs Update
- Monitoring Well Network Modifications
- Nanobubble Pilot Support

General Permit and NOA for Surface Water Discharge

The General Permit and site-specific NOA Order No. R5-2017-0085-003 apply to the City's discharge of disinfected tertiary effluent to Dredger Cut. The NOA was issued under the previous (2017) version of the General Permit. With issuance of the new General Permit in July 2023, the Regional Board clarified that NOAs under the previous General Permit remain in effect, and a new Notice of Intent (NOI) permit application is not required until one of the following occurs:

- the due date for the NOI as specified in the existing NOA
- three years from the effective date of the 2023 General Permit
- an earlier date as specified by the Executive Officer or if there are any modifications to the facility and/or discharge as described in the NOA

The current NOA lists an NOI date of April 1, 2023. Accordingly, the City submitted an NOI package in March 2023, and the current NOA remains in effect as of May 2024.

WDRs for Land Application

The WDRs were adopted in 2013 and do not have an expiration date. The WDRs apply to the following WPCF operations:

- Storage and land application of undisinfecting, secondary effluent on City-owned agricultural properties;
- Storage and land application of industrial process flows, which include seasonal food processing flows from Pacific Coast Producers, entering the WPCF via the industrial wastewater sewer system;
- Biosolids land application on City-owned agricultural properties; and,
- Supply of disinfected tertiary recycled water to the Northern California Power Agency and San Joaquin County Mosquito and Vector Control District.

In addition, the City also currently has the separate Recycled Water NOA under the General WRRs for the operations of a tertiary storage pond constructed in late 2019. The Regional Board permitted this pond under the Recycled Water NOA to avoid reopening the WDRs.

Most of the services described in this proposal are related to the WDRs and Recycled Water NOA. The specific efforts include:

- Monitoring and Reporting Assistance
- Land Management Support
- Groundwater Compliance Support

Monitoring and Reporting Assistance

West Yost has historically assisted with development of, or completed on the City's behalf, routine monitoring reports required under the WDRs. These include:

- Monthly land management reports
- Quarterly groundwater contour maps
- Annual Monitoring Reports for groundwater
- Annual Cropping and Irrigation Reports
- Annual U.S. Environmental Protection Agency (USEPA) Biosolids Application Reports

West Yost understands that the City will require continued support related to the development of these reports.

Land Management Support

West Yost has been assisting the City with coordinating with the farmers that manage the land application area. In recent years, West Yost has been preparing the monthly reports and participating in monthly meetings with the farmers and City staff. For purposes of this proposal, it is assumed that West Yost will provide ongoing involvement with these reports and meetings over the next two fiscal years.

Groundwater Compliance Support

West Yost has been assisting the City with evaluating the groundwater beneath the WPCF land application area to document compliance with the WDRs related to groundwater quality protection. The City submitted a report in early 2020 detailing compliance with the Groundwater Limitations of the WDRs. This was the final compliance step in a six-year schedule that was developed to allow the City time to complete an evaluation of compliance and whether the existing best practicable treatment or control (BPTC) measures for the land application area are appropriate. The Groundwater Limitations Compliance Report documented and concluded that the City is in compliance with the groundwater limitations, with the exception of impacts that occurred due to past activities near the City's compliance well WSM-2. The report also documented that existing BPTCs implemented by the City are adequately protective of the groundwater underlying the WPCF and land application area. The most recent Annual Background Groundwater Quality Evaluation completed in January 2024 continued to support the conclusions of the Groundwater Limitations Compliance Report and did not recommend any additional BPTCs.

WDRs Update

This proposal includes tasks to assist the City through an updated WDRs adoption process, which is assumed to occur during FY 24/25. However, the timeline for these efforts could extend into FY 25/26 or beyond.

Purpose of WDRs Modification

As noted above, the WDRs were last issued in 2013 and do not have an expiration date. However, the majority of the text and requirements in the current WDRs were originally developed in 2007. Therefore, the current WDRs generally reflect Regional Board permit requirements from about 15 years ago. Recent land discharge permits issued by the Regional Board include more streamlined discharge requirements than the City's current WDRs, including monitoring and reporting requirements. Modifying the City's WDRs to include these streamlined approaches would provide greater flexibility for WPCF staff in operating the land application activities and improve the ability for the City to demonstrate compliance with permit requirements. These changes would include removing the hydraulic loading limitations and allowing for water quality loading limits to be evaluated as an average over several fields.

Updating the WDRs will also allow for simplification of the City's monitoring and reporting program as the reporting requirements related to the tertiary pond will be incorporated into the renewed WDRs – eliminating the need for redundant reporting.

The current WDRs also include a compliance schedule for the City to comply with the groundwater limitations in the permit, and the City has completed the required action items of this compliance schedule. With the proposed renewal of the WDRs, the Regional Board should address the City's evaluation of compliance with groundwater limitations and/or issue a compliance order related to the ongoing impacts observed near WSM-2. At a minimum, the completed compliance schedule should be removed from the WDRs. At this time the Regional Board is not anticipated to include more stringent groundwater-related requirements in the revised WDRs. Therefore, this proposal does not include specific scope and budget to address support related to additional groundwater limitations or requirements. However, tasks are included for general regulatory program management and as-needed WPCF support services that could partially accommodate limited support, if needed.

Finally, the City is in the process of evaluating a potential recycled water discharge to a new NCPA facility that will result in changes to how the land application system is operated. These planned/potential changes will be described in the WDRs modification request so that the new operations are permitted through the renewed WDRs. Requesting a permit for this modification now will allow the City to fast track this potential operational change over the next few years.

The City and West Yost staff met with Regional Board permitting staff in August 2021 to discuss potential modifications to the WDRs, and what process would be needed to obtain a revised permit. The Regional Board staff were amenable to the proposed modifications and recommended that the City prepare a permit application (Report of Waste Discharge, or ROWD), the last of which was submitted to the Regional Board in 2012.

Under our current contract, West Yost is in the process of finalizing the ROWD, which we expect to submit to the Regional Board by the end of June 2024 (i.e. by the end of FY 23/24).

Permit Adoption Process

The Regional Board is expected to issue two permit drafts based on the information received in the ROWD. The first draft will be a non-public Administrative Draft Order for City review, the second draft will be a Tentative Draft Order issued for public review. It is in the interest of the City to thoroughly review these draft documents and prepare comments, particularly on issues that can impact long-term WQCF operations and costs. Based on West Yost's experience, critical permit changes need to be made during the Administrative Draft Order phase, because once the Tentative Draft Order is made public, Regional Board staff are more reluctant to make significant changes.

The Regional Board staff are expected to provide a 30-day review period for the Administrative Draft Order. The Tentative Draft Order by statute also has a 30-day review period. West Yost has successfully negotiated permit terms during the Administrative Draft Order phase leaving the Tentative Draft Order review phase to be a fairly simple effort. However, there are several unique conditions associated with the City's land discharge permit, and it is difficult to predict at this time the level of effort needed to support review of the Administrative Draft Order and Tentative Draft Order. Moreover, there is a possibility that more than one Administrative Draft Order and Tentative Draft Order will need to be issued. Therefore, the work related to the permit review tasks will be limited to the hours identified in this proposal.

Based on West Yost's experience working with Central Valley dischargers on WDRs renewals for land application sites, it is expected that the new WDRs will be formally adopted by the Regional Board as a consent item – meaning there will be no discussion of the WDRs at the Board meeting. If any significant issues are identified that result in the City or other parties contesting the adoption of the new WDRs, however, there will be a formal hearing by the Regional Board for the WDRs adoption. Work related to a permit hearing may include preparing supplemental information to support the agency with their contest of the permit, preparing responses to other parties that have contested the permit, and preparation of these materials for presentation at the Regional Board hearing. The current proposal does not include support specifically related to a permit hearing. However, as noted previously, tasks are included for general regulatory program management and as-needed WPCF support services that could potentially accommodate support related to a permit hearing.

Monitoring Well Network Modifications

In addition to updating information in the WDRs, there are desired changes to the City's monitoring well network. The City's monitoring well network consists of eleven compliance wells and three background wells. This network is relatively extensive compared to other similar agencies conducting land application of recycled water and biosolids. Routine groundwater elevation and water quality data has been collected from all these wells since 2008 – over 10 years – and some even as far back as 1998 – over 20 years. Several of these existing wells do not provide information that is informative with respect to groundwater compliance and can be removed from the monitoring well network. These include wells WSM-2, WSM-10, WSM-10, WSM-11, WSM-13, WSM-19, RMW-2 and RMW-3.

To support these changes, the City would need to submit a Monitoring Well Destruction Work Plan to the Regional Board, which is assumed to occur early in FY 24/25. Implementation of the monitoring well destruction can be initiated after receiving the Regional Board's approval and when weather conditions allow. Following implementation, a Monitoring Well Destruction Report will need to be prepared and submitted to the Regional Board to meet a State requirement to document monitoring well destructions. This proposal therefore includes a task in FY 24/25 to prepare the Work Plan and complete related engineering services.

Nanobubble Pilot Support

West Yost has also been assisting the City with evaluating use of nanobubble addition upstream of the WPCF primary clarification process to potentially enhance nitrogen removal through the secondary treatment system, as well as provide other ancillary benefits. Based on recent discussions with City staff, the City will continue use of the nanobubble system for at least one more year that corresponds roughly with FY 24/25. Some effort is expected to be needed for West Yost staff to continue the analysis of the nanobubble impacts. Such effort would be included in the scope for FY 24/25 under the regulatory program management task.

MAJOR ASSUMPTIONS

Major assumptions pertinent to more than one task of this project are detailed below:

- West Yost will rely on the support from Somach Simmons and Dunn (SSD), an environmental law firm that specializes in serving California permittees on discharge permit issues, should the need arise, as with our previous regulatory support services contracts with the City. A nominal budget has been included under the Regulatory Program Management tasks for SSD assistance.
- The City will continue to contract separately with Robertson Bryan, Inc. for support related to toxicity or temperature study efforts, consistent with West Yost's current contract. Therefore, this proposal does not include significant support related to these efforts. The City has not had recent toxicity issues under the NOA, but ongoing toxicity support may be needed during term of the new contract.
- The City will be responsible for completing any sampling needed to achieve the objectives of the tasks outlined in the scope of services, and the City will contract directly with a certified laboratory for completing any necessary analytical efforts. Under the Regulatory Program Management tasks described herein, West Yost will provide support for coordinating any necessary sampling and analysis efforts with other regulatory needs.

Additional assumptions specific to each task are also included with the scope of services.

SCOPE OF SERVICES

Phase 1

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 24/25 (Phase 1). As described further below, the key tasks necessary to perform this scope of services are as follows:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination and Reporting
- Task 1.4 Groundwater Reporting Support
- Task 1.5 WDRs Adoption Support
- Task 1.6 Monitoring Well Network Modifications
- Task 1.7 As Needed WPCF Support Services

Task 1.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

This task also includes a Kickoff Meeting at the beginning of FY 24/25 to discuss the scope of services, data needed by West Yost to complete the scope of services, and any specific concerns City staff have with the current discharge/reuse permits. West Yost will develop a draft agenda for the kickoff meeting and provide a follow-up email with agreed-upon actions items.

In addition, to ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost Quality Assurance/Quality Control (QA/QC) policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products. This task includes coordination of these QA/QC efforts.

Task 1.1 Deliverables

- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.
- West Yost will prepare a draft meeting agenda in MS Word format prior to the Kickoff Meeting.
- West Yost will provide an email summarizing action items from the Kickoff Meeting within one week of the meeting.

Task 1.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 24/25. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Completing reviews of collected monitoring data to identify potential future regulatory concerns, such as for PFAS (Per- and Polyfluoroalkyl Substances) in wastewater effluent, biosolids and groundwater underlying the WPCF.
7. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
8. Attending and preparing for meetings to discuss the results of regulatory program management activities.
9. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
10. Providing minor assistance to the City for analyzing data related to nanobubble system operation.
11. Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope, the task budget may also be directed toward the completion of other efforts.

Task 1.2 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services under this task are requested.

Task 1.3 Land Application Monitoring Coordination and Reporting

West Yost's efforts during FY 24/25 will include the following services:

- Review the 2024 land application monitoring data and development of the 2024 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2025. This report will summarize the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, provide an assessment of compliance with land application area loading limits and related requirements, discuss any corrective actions taken or needed, and discuss the cropping and irrigation plan for the coming year.
- Prepare the online 2024 Annual Biosolids Application Report, which is an online form that documents the City's biosolids production and reuse practices for the prior year and is due to the USEPA by February 19, 2025.
- Prepare up to twelve monthly land application reports required under the WDRs for the months of June 2024 through May 2025.
- Participate in an annual land management kickoff meeting in early 2025 to discuss planned annual operations and up to nine monthly meetings between July 2024 and June 2025 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.
- Complete an analysis of appropriate biosolids application by field and coordination with the City agronomist and farmers for the Fall 2024 and Spring 2025 biosolids application on the land application areas.
- Prepare quarterly tertiary pond reports required under Recycled Water NOA for Second Quarter 2024 through First Quarter 2025.
- Prepare annual report on 2024 tertiary pond activities required under the Recycled Water NOA and due to the Regional Board by April 1, 2025.

Task 1.3 Assumption

- The farmers/agronomist will provide the City/West Yost a list of fields proposed for biosolids application at least two weeks prior to each planned application event.

Task 1.3 Deliverables

- West Yost will prepare a draft and final 2024 Annual Land Management Reports and Draft 2024 Annual Biosolids Application Report in PDF format.
- West Yost will prepare draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.
- West Yost will prepare draft and final monthly land application reports in PDF format.
- West Yost will prepare emails with recommended biosolids applications (fall and spring).
- West Yost will prepare draft and final tertiary pond quarterly reports in PDF format.
- West Yost will prepare a draft and final tertiary pond annual report in PDF format.

Task 1.4 Groundwater Reporting Support

West Yost's efforts during FY 24/25 will include development of the following:

- **Quarterly Self-Monitoring Reports for Second Quarter 2024 through First Quarter 2025:** These efforts will include coordination with City staff for the respective data and information, compilation of attachments and development of draft cover letter for each report.

- **Quarterly groundwater elevation contour maps:** These are part of the Quarterly Self-Monitoring Reports and will be developed using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions.
- **2024 Annual Groundwater Evaluation Report:** This effort includes a statistical analysis of 2024 groundwater quality data, a determination of compliance with the groundwater limitations for each constituent monitored and compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed. The Groundwater Evaluation Report is intended to be attached to the Annual Report under the WDRs developed by the City.

Task 1.4 Assumption

- The City will prepare the additional elements of the Annual Report beyond the Annual Groundwater Evaluation Report.

Task 1.4 Deliverables

- West Yost will prepare draft and final quarterly reports, including figures depicting the quarterly groundwater contour information, for Third Quarter 2024 through Second Quarter 2025, in PDF format.
- West Report will prepare an Annual Groundwater Evaluation Report summarizing the statistical analysis and compliance/corrective actions in PDF format, to be incorporated into the City's Annual Report.

Task 1.5 WDRs Adoption Support

West Yost will complete a review of the Administrative Draft Order and Tentative Draft Order. These reviews will include a thorough read-through the orders for errors or concerns relative to the City's current permit and other recent, similar permits issued by the Regional Board and development of a comment document on the City's behalf.

The Regional Board staff are expected to provide a 30-day review period for the Administrative Draft Order and a 30-day review period will be provided for the Tentative Draft Order. The following procedure outlines our strategy and scope for developing a comprehensive comment letter on these orders in that limited timeline:

- West Yost will develop a table summarizing all suggested comments within 10 days of receiving the Draft Order.
(Cumulative Time Passed: 10 days)
- Within three days of submitting this list to the City, West Yost will meet with City staff to discuss the suggested comments and obtain input regarding any City comments.
(Cumulative Time Passed: 13 days)
- West Yost will develop a draft comment document for City review within five days of the City meeting, ensuring the document is submitted to the City within three weeks of receiving the Draft Order. The comment document will be prepared as a stand-alone document for attachment to a City cover letter.
(Cumulative Time Passed: 18 days)

8. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
9. Attending and preparing for meetings to discuss the results of regulatory program management activities
10. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
11. Providing minor support related to the following:
 - Title 22 Issues,
 - Toxicity Reduction Evaluation efforts being completed separately, or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 2.2 Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff when services under this task are required.

Task 2.3 Land Application Monitoring Coordination

This task involves providing the following items:

- Review the 2021 land application monitoring data and development of the 2021 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2022.
- Prepare the online 2021 Annual Biosolids Application Report, which is due to the USEPA by February 19, 2022, and will need to be certified and submitted by City staff.
- Review of the monthly land application reports under the WDRs completed for the months of June 2021 through May 2022.
- Participation in an annual land management kickoff meeting in early 2022 to discuss planned annual operations and up to nine monthly meetings between July 2021 and June 2022 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.

Task 2.3 Deliverables: Draft and Final 2021 Annual Land Management Reports and Draft 2021 Annual Biosolids Application Report. All documents will be provided in an electronic PDF format.

Draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.

- The City will have five days to review the comment document.
(Cumulative Time Passed: 23 days)
- West Yost will develop a screen-check version within two days of receiving City comments.
(Cumulative Time Passed: 25 days)
- City review and finalization of the comment document and cover letter will then need to be completed and the documents submitted within five days.
(Cumulative Time Passed: 30 days)

It is expected that at least one meeting with Regional Board staff will be needed to discuss the City's comments on the Administrative Draft Order and one meeting to discuss City comments on the Tentative Draft Order. Additional meetings, if needed, would be accommodated under the Regulatory Program Management task (Task 2). A preliminary draft agenda will be prepared for City staff review at least one week prior to these meetings and a draft agenda prepared and submitted to the City and Regional Board staff at least one day prior to the meeting. An email listing the significant decisions made will also be developed following the meeting to document decisions made for all meeting participants.

Given the complexity of the City's land application operations and the age of the existing land application permits, preparing comments on the Administrative Draft Order and Tentative Draft Order could require a similar level of effort. The level of effort required for this task can only be estimated prior to issuance of the Administrative Draft WDRs, so the associated fee estimate presented in this letter proposal is based on West Yost's understanding of the City's permit needs. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future.

Task 1.5 Assumptions

- During review and negotiation of the new WDRs, West Yost may identify the need for the City to enlist the assistance of legal counsel in evaluating legal issues with the wastewater discharge permit. West Yost will work with the City to identify an appropriate support team for these efforts. If needed, legal support services could be procured through the West Yost contract and billed under the Regulatory Program Management task (Task 2).

Task 1.5 Deliverables

- West Yost will provide a list of suggested comments on the Administrative Draft WDRs in PDF format.
- West Yost will provide a draft and final comment documents on the Administrative Draft WDRs in PDF format.
- West Yost will provide preliminary draft meeting agenda in MS Word format and draft meeting agenda in PDF format for two meetings with the Regional Board.
- West Yost will provide an email with decisions to meeting participants.
- West Yost will prepare a list of suggested comments on the Tentative Draft WDRs in PDF format.
- West Yost will prepare a draft and final comment documents on the Tentative Draft WDRs in PDF format.

Task 1.6 Monitoring Well Network Modifications

To support adoption of the monitoring well network modifications being requested in the recent Report of Waste Discharge (ROWD), West Yost will prepare a draft Monitoring Well Destruction Work Plan (Work Plan) for City review and submission to the Regional Board. This task includes a Kickoff Meeting to discuss

work to be completed. West Yost will develop a draft agenda for the meeting and provide a follow-up email with agreed-upon actions items.

It is anticipated the Work Plan will be submitted to the Regional Board by late 2024, so that the changes can be incorporated into the new WDRs and MRP. It is assumed that within a few weeks of submitting the Work Plan a meeting with Regional Board staff will be needed to present and discuss the Work Plan with the goals of attaining approval of the Work Plan and incorporating the City's recommended monitoring network wells in the new WDRs and MRP. This task also includes a Work Plan review meeting to discuss City's comments on the draft Work Plan.

Implementation of the monitoring well destruction should be initiated after receiving the Regional Board's approval and when weather conditions allow. Well destruction costs are not included in this proposal. However, these costs are outlined in a Monitoring Well Network Recommendations Technical Memorandum prepared for the City recently as an appendix to the ROWD. The well destruction is assumed to begin during FY 24/25.

West Yost will prepare technical specifications for the Work Plan and provide support during bidding and contractor selection. It is assumed the City will publicly bid for contractor services and select and hire a well destruction contractor. West Yost will also provide hydrogeologic services during well destruction. It is assumed all wells identified for destruction in the ROWD will be destroyed in a single mobilization.

Following installation, West Yost will prepare a draft Monitoring Well Destruction Report for City review and submittal to the Regional Board. It is assumed only one Monitoring Well Destruction Report will be prepared. This task also includes a meeting with the Regional Board to review the Work Plan.

Task 1.6 Assumptions

- The City will publicly bid for contractor services and select and hire a well destruction contractor. The contractor fee is not included in West Yost's proposal but is estimated to be \$62,500.
- The well destruction contractor's work will be implemented in one event. Therefore, only one Monitoring Well Destruction Report will be needed.

Task 1.6 Deliverables

- West Yost will prepare a Monitoring Well Destruction Work Plan.
- West Yost will prepare a Monitoring Well Destruction Report.
- West Yost will prepare a draft meeting agenda in MS Word format prior to the Kickoff Meeting.
- West Yost will provide an email summarizing action items from the Kickoff Meeting within one week of the meeting.

Task 1.7 As-Needed WPCF Support Services

During FY 24/25, the City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget

amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 1.7 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services are requested.

Phase 2

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 25/26 (Phase 2). As described further below, The key tasks necessary to perform this proposed scope of services are as follows:

- Task 2.1 Project Management
- Task 2.2 Regulatory Program Management
- Task 2.3 Land Application Monitoring Coordination and Reporting
- Task 2.4 Groundwater Reporting Support
- Task 2.5 As-Needed WPCF Support Services

Task 2.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

In addition, to ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost QA/QC policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products. This task includes coordination of these QA/QC efforts.

Task 2.1 Deliverables

- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.

Task 2.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 25/26. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.

6. Completing reviews of collected monitoring data to identify potential future regulatory concerns.
7. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
8. Attending and preparing for meetings to discuss the results of regulatory program management activities.
9. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
10. Providing minor assistance to the City for analyzing data related to nanobubble system operation.
11. Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope, the task budget may also be directed toward the completion of other efforts.

Task 2.2 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services under this task are requested.

Task 2.3 Land Application Monitoring Coordination and Reporting

West Yost's efforts during FY 25/26 will include the following services:

- Review the 2025 land application monitoring data and development of the 2025 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2026. This report will summarize the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, provide an assessment of compliance with land application area loading limits and related requirements, discuss any corrective actions taken or needed, and discuss the cropping and irrigation plan for the coming year.
- Prepare the online 2025 Annual Biosolids Application Report, which is an online form that documents the City's biosolids production and reuse practices for the prior year and is due to the USEPA by February 19, 2026.
- Prepare the nine monthly land application reports required under the WDRs for the months of June 2025 through May 2026.

- Participate in an annual land management kickoff meeting in early 2026 to discuss planned annual operations and up to nine monthly meetings between July 2025 and June 2026 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.
- Complete an analysis of appropriate biosolids application by field and coordination with the City agronomist and farmers for the Fall 2025 and Spring 2026 biosolids application on the land application areas.
- Prepare quarterly tertiary pond reports required under Recycled Water NOA for Second Quarter 2025 through First Quarter 2026.
- Prepare annual report on 2025 tertiary pond activities required under the Recycled Water NOA and due to the Regional Board by April 1, 2026.

Task 2.3 Assumption

- The farmers/agronomist will provide the City/West Yost a list of fields proposed for biosolids application at least two weeks prior to each planned application event.

Task 2.3 Deliverables

- West Yost will provide a draft and final 2025 Annual Land Management Reports and Draft 2025 Annual Biosolids Application Report in PDF format.
- West Yost will prepare draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.
- West Yost will provide draft and final monthly land application reports in PDF format.
- West Yost will prepare emails with recommended biosolids applications (fall and spring)
- West Yost will prepare draft and final tertiary pond quarterly reports in PDF format.
- West Yost will provide a draft and final tertiary pond annual report in PDF format.

Task 2.4 Groundwater Reporting Support

West Yost's efforts during FY 25/26 will include development of the following:

- **Quarterly Self-Monitoring Reports for Second Quarter 2025 through First Quarter 2026:** These efforts will include coordination with City staff for respective data and information, compilation of attachments and development of draft cover letter for each report.
- **Quarterly groundwater elevation contour maps:** These are part of the Quarterly Self-Monitoring Reports and will be developed using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions.
- **2025 Annual Groundwater Evaluation Report:** This effort includes a statistical analysis of 2025 groundwater quality data, a determination of compliance with the groundwater limitations of the WDRs for each constituent monitored and compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed. The Groundwater Evaluation Report is intended to be attached to the Annual Report under the WDRs developed by the City.

Task 2.4 Assumption

- The City will prepare the additional elements of the Annual Report beyond the Annual Groundwater Evaluation Report.

Task 2.4 Deliverables

- West Yost will prepare a draft and Final quarterly reports, including figures depicting the quarterly groundwater contour information, for Third Quarter 2025 through Second Quarter 2026, in PDF format.
- West Yost will provide an Annual Groundwater Evaluation Report summarizing the statistical analysis and compliance/corrective actions in PDF format, to be incorporated into the City's Annual Report.

Task 2.5 As-Needed WPCF Support Services

During FY 25/26, the City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 2.5 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services are requested.

ESTIMATED FEE

The estimated fee for each of the tasks described above and total estimated fee are shown in Table 1. West Yost will perform all work on an hourly basis at standard company charge rates and will not exceed the estimated cost without written authorization. Attachment A provides West Yost's 2024 charge rate schedule.

If additional budget is required to complete the Scope of Services identified herein, West Yost will request City authorization prior to exceeding the budget. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Estimated Project Fee for FY 24/25 and FY 25/26 Regulatory Support

Task	West Yost Fee, dollars	SSD Fee, dollars	Total Fee, dollars
Phase 1			
Task 1.1 Project Management	9,500	0	9,500
Task 1.2 Regulatory Program Management	14,200	7,000	21,200
Task 1.3 Land Application Monitoring Coordination and Reporting	64,100	0	64,100
Task 1.4 Groundwater Reporting Support	28,800	0	28,800
Task 1.5 WDRs Adoption Support	59,800	0	59,800
Task 1.6 Monitoring Well Network Modifications	39,300	0	39,300
Task 1.7 As-Needed WPCF Support Services	19,900	0	19,900
Subtotal for Phase 1 (FY 24/25)	\$235,600	\$7,000	\$242,600
Phase 2			
Task 2.1 Project Management	5,900	0	5,900
Task 2.2 Regulatory Program Management	14,800	7,000	21,800
Task 2.3 Land Application Monitoring Coordination and Reporting	66,600	0	66,600
Task 2.4 Groundwater Reporting Support	29,900	0	29,900
Task 2.5 As-Needed WPCF Support Services	20,600	0	20,600
Subtotal for Phase 2 (FY 25/26)	\$137,800	\$7,000	\$144,800
Total Project Budget	\$373,400	\$14,000	\$387,400

SCHEDULE

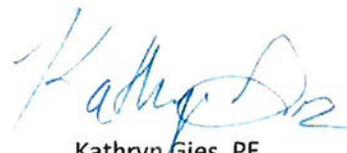
West Yost anticipates conducting a kickoff meeting with City staff within four weeks after receiving notice to proceed. Other deliverables with specific regulatory deadlines will be developed in time to provide City staff at least one week for review of draft deliverables prior to preparing final documents. The timing of the remaining deliverables, such as draft permit comments, will depend on the Regional Board and cannot be estimated at this time.

Thank you for providing West Yost the opportunity to be of continued service to the City of Lodi with permitting services for the WPCF. We look forward to working with you on this important project. Please call if you have any questions or require additional information.

Sincerely,
 WEST YOST



Charles Hardy, PE
 RCE #71015



Kathryn Gies, PE
 RCE #68022

Attachment A: West Yost 2024 Billing Rate Schedule



Attachment A

West Yost 2024 Billing Rate Schedule



2024 Billing Rate Schedule

(Effective January 1, 2024, through December 31, 2024)*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$355
Engineer/Scientist/Geologist Manager I / II	\$335 / \$351
Principal Engineer/Scientist/Geologist I / II	\$302 / \$322
Senior Engineer/Scientist/Geologist I / II	\$272 / \$286
Associate Engineer/Scientist/Geologist I / II	\$226 / \$243
Engineer/Scientist/Geologist I / II	\$176 / \$205
Engineering Aide	\$106
Field Monitoring Services	\$131
Administrative I / II / III / IV	\$97 / \$121 / \$145 / \$160
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$349 / \$351
Principal Tech Specialist I / II	\$320 / \$331
Senior Tech Specialist I / II	\$293 / \$306
Senior GIS Analyst	\$265
GIS Analyst	\$251
Technical Specialist I / II / III / IV	\$187 / \$213 / \$239 / \$267
Technical Analyst I / II	\$134 / \$160
Technical Analyst Intern	\$108
Cross-Connection Control Specialist I / II / III / IV	\$140 / \$151 / \$170 / \$189
CAD Manager	\$211
CAD Designer I / II	\$164 / \$185
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$338
Construction Manager I / II / III / IV	\$201 / \$215 / \$228 / \$289
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$181 / \$201 / \$224 / \$232
Apprentice Inspector	\$164
CM Administrative I / II	\$87 / \$118
Field Services	\$232

- Hourly rates include charges for technology and communication, such as general and CAD computer software, telephone calls, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside services, such as vendor reproductions, prints, and shipping; major West Yost reproduction efforts; as well as engineering supplies, etc., will be billed at the actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness services, research, technical review, analysis, preparation, and meetings will be billed at 150% of standard hourly rates. Expert witness testimony and depositions will be billed at 200% of standard hourly rates.
- A finance charge of 1.5% per month (an annual rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2024 Billing Rate Schedule

(Effective January 1, 2024, through December 31, 2024)*

Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$300 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Field Vehicles (Groundwater)	\$1.02 / mile
Gas Detector	\$80 / day
Generator	\$60 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Back Pack	\$135 / day
Low Flow Pump Controller	\$200 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter 300ft	\$30 / day
Precision Water Level Meter 500ft	\$40 / day
Precision Water Level Meter 700ft	\$45 / day
QED Sample Pro Bladder Pump	\$65 / day
Storage Tank	\$20 / day
Sump Pump	\$24 / day
Transducer Communications Cable	\$10 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$30 / day
Turbidity Meter (2100Q Portable)	\$35 / day
Vehicle (Construction Management)	\$10 / hour
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$50 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

AMENDMENT NO. 2

WEST YOST & ASSOCIATES, INC.
TASK ORDER NO. 49

THIS AMENDMENT, made and entered this 12 ^{October} day of ~~July~~, 2021, by and between the CITY OF LODI, a municipal corporation (hereinafter "CITY"), and WEST YOST & ASSOCIATES, INC., a California corporation (hereinafter called "CONTRACTOR").

WITNESSETH:

1. WHEREAS, CONTRACTOR and CITY entered into Task Order No. 49 on September 1, 2020 and Amendment No. 1 on April 12, 2021 collectively (the "Agreement"), attached hereto as Exhibits 1 and 1A, respectively, and made a part hereof; and
2. WHEREAS, CITY requested to increase the fees under the agreement by \$47,600, for a total not to exceed amount of \$303,400, and amend the existing scope of services for Regulatory Services at White Slough Water Pollution Control Facility, attached hereto as Exhibit 2 and made part of; and
3. WHEREAS, CONTRACTOR agrees to said amendments; and

NOW, THEREFORE, the parties agree to amend the not to exceed amount under the Agreement as set forth above. All other terms and conditions of the Agreement remain unchanged.

IN WITNESS WHEREOF, CITY and CONTRACTOR have executed this Amendment No. 2 on the date and year first above written.

CITY OF LODI, a municipal corporation
Herein above called "CITY"

WEST YOST & ASSOCIATES, INC., a California corporation
Hereinabove called "CONTRACTOR"

By: 
STEPHEN SCHWABAUER
City Manager

By: 
JEFFREY PELZ
Vice President

Attest:

JENNIFER C. SMIR
City Clerk

Approved as to Form


JANICE D. MAGDICH
City Attorney



1001 Galaxy Way
Suite 310
Concord CA 94520

925.949.5800 phone
530.756.5991 fax
westyost.com

Exhibit 2

June 6, 2022

SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
Public Works Department
Lodi, CA 95240

SUBJECT: Proposal for Engineering Services – WPCF Regulatory Services for FY 22/23 and FY 23/24

Mr. Roberts:

West Yost appreciates the opportunity to present to the City of Lodi (City) this letter proposal for ongoing engineering services related to assisting the City in meeting permitting requirements for the City's White Slough Water Pollution Control Facility (WPCF). The scope of work described in this letter proposal is intended to cover regulatory related support efforts anticipated to be needed during Fiscal Year 2022/2023 (FY 22/23) and Fiscal Year 2023/2024 (FY 23/24) for the WPCF water and biosolid discharges that are regulated by the Central Valley Regional Water Quality Control Board (Regional Board) under the following discharge permits:

- *General Permit for Municipal Wastewater Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (General Permit) and the site-specific Notice of Applicability (NOA) R5-2017-0085-003 for coverage under the General Permit*
- *Waste Discharge Requirements (WDRs), Order No. R5-2007-0113-01*
- *NOA WQ-2016-0068-DDW-R5007 (Recycled Water NOA) for coverage under the State Water Resources Control Board's (State Water Board's) Order WQ 2016-0068-DDW Waste Reclamation Requirements for Recycled Water Use (General WRRs)*

The Scope of Work and Fee Estimate provided in this proposal have been divided into two phases, one for each of the fiscal years covered. It is understood that the City may authorize services for either both years together or each year separately.

The remainder of this proposal is organized around the following sections:

- Project Understanding
- Major Assumptions
- Scopes of Services
- Estimated Fee
- Schedule

PROJECT UNDERSTANDING

This section presents our team's understanding and approach to the proposed work under the following topics:

- General Permit and NOA for surface water discharge
- WDRs for land application
- WDRs update
- General WRRs and Recycled Water NOA

General Permit and NOA for Surface Water Discharge

The General Permit and site-specific NOA Order No. R5-2017-0085-003 apply to the City's discharge of disinfected tertiary effluent to Dredger Cut. The current NOA was originally issued in March 2019 following submittal of a Notice of Intent (NOI) package in May 2018. That NOA expired on March 31, 2021. Following submittal of a supplemental NOI in June 2020, the Regional Board issued an amended NOA in July 2021.

The current NOA requires submittal of a new NOI by April 1, 2023, to maintain coverage under the General Permit. Therefore, development of this NOI package is included in the scope of services for FY 22/23. For purposes of this proposal, it is assumed that the draft NOA will be issued in late 2023. Therefore, support related to adoption of the NOA is included in the scope for FY 23/24.

WDRs for Land Application

The WDRs were adopted in 2013 and do not have an expiration date. The WDRs apply to the following WPCF operations:

- Storage and land application of undisinfected, secondary effluent on City-owned agricultural properties;
- Storage and land application of industrial process flows, which include seasonal food processing flows from Pacific Coast Producers, entering the WPCF via the industrial wastewater sewer system;
- Biosolids land application on City-owned agricultural properties; and,
- Supply of disinfected tertiary recycled water to the Northern California Power Agency and San Joaquin County Mosquito and Vector Control District.

Most of the services described in this proposal are related to the WDRs. The specific efforts include:

- Monitoring and Reporting Assistance
- Land Management Support
- Groundwater Compliance Support

Monitoring and Reporting Assistance

West Yost has historically assisted with development of, or completed on the City's behalf, routine monitoring reports required under the WDRs. These include:

- Monthly land management reports
- Quarterly groundwater contour maps
- Annual Monitoring Reports for groundwater
- Annual Cropping and Irrigation Reports
- Annual U.S. Environmental Protection Agency (USEPA) Biosolids Application Reports

West Yost understands that the City will require continued support related to the development of these reports.

Land Management Support

West Yost has been assisting the City with coordinating with the farmers that manage the land application area. In recent years, West Yost's involvement with the City's land management activities were limited to review of the reports generated by the City and participation in one annual kickoff meeting at the beginning of each irrigation season. However, with turnover of City staff in the last two years, West Yost has been requested to prepare the monthly reports and participate in the monthly meetings with the farmers and City staff. For purposes of this proposal, it is assumed that West Yost will provide ongoing involvement with these reports and meetings over the next two fiscal years. In addition, due to ongoing drought conditions, we have assumed that the irrigation season includes March and November, thus requiring nine meetings and monthly reports each year.

Groundwater Compliance Support

West Yost has been assisting the City with evaluating the groundwater beneath the WPCF land application area to document compliance with the WDRs related to groundwater quality protection. The City submitted a report in early 2020 detailing compliance with the Groundwater Limitations of the WDRs. This was the final compliance step in a six-year schedule that was developed to allow the City time to complete an evaluation of compliance and whether the existing best practicable treatment or control (BPTC) measures for the land application area are appropriate. The Groundwater Limitations Compliance Report documented and concluded that the City is in compliance with the groundwater limitations, with the exception of impacts that occurred due to past activities near the City's compliance well WSM-2. The report also documented that existing BPTCs implemented by the City are adequately protective of the groundwater underlying the WPCF and land application area. The most recent Annual Background Groundwater Quality Evaluation completed in January 2022 continued to support the conclusions of the Groundwater Limitations Compliance Report and did not recommend any additional BPTCs.

The January 2022 Annual Background Groundwater Quality Evaluation report did identify one compliance well as exceeding background levels for total coliform organisms. Therefore, the annual evaluation indicated that the City may need to replace that well, in addition to other wells that have shown intermittent detections of total coliform organisms. Several of the existing monitoring wells are over 20 years old and could require replacement to address the observed coliform issues. Final determination of whether to replace or remove monitoring wells from the City's monitoring well network should be made as part of the proposed update to the WDRs detailed below.

WDRs Update

This proposal includes tasks to assist the City with preparing a WDRs modification request and assisting the City through the WDRs modification process. This proposal assumes that the permit modification request will be developed and submitted in FY 22/23 and that the revised WDRs will be issued by the Regional Board within FY 23/24. However, the timeline for these efforts could extend beyond FY 23/24.

Benefits of WDRs Modifications

As noted above, the WDRs were last issued in 2013 and do not have an expiration date. However, the majority of the text and requirements in the current WDRs were originally developed in 2007. Therefore, the current WDRs generally reflect Regional Board permit requirements from about 15 years ago. Recent land discharge permits issued by the Regional Board include more streamlined discharge requirements than the City's current WDRs, including monitoring and reporting requirements. Modifying the City's WDRs to include these streamlined approaches would provide greater flexibility for WPCF staff in operating the land application activities and improve the ability for the City to demonstrate compliance with permit requirements. These changes would include removing the hydraulic loading limitations and allowing for water quality loading limits to be evaluated as an average over several fields.

The process of updating the WDRs can also facilitate desired changes to the City's monitoring well network. The City's monitoring well network consists of eleven compliance wells and three background wells. This network is relatively extensive compared to other similar agencies conducting land application of recycled water and biosolids. Routine groundwater elevation and water quality data has been collected from all these wells since 2008 – over 10 years – and some even as far back as 1998 – over 20 years. Several of these existing wells do not provide information that is informative with respect to groundwater compliance and can be removed from the monitoring well network. As noted above, there may also be a need to replace some of the older wells that are showing total coliform contamination. As part of the permit renewal process, West Yost will review the City's existing monitoring well network and provide suggested revisions. A request for these revisions will be included as a component of the WDRs modification request.

The City also currently has a separate Recycled Water NOA under the General WRRs for the tertiary storage pond constructed in late 2019. The Regional Board permitted this pond under the Recycled Water NOA to avoid reopening the WDRs. To simplify the City's monitoring and reporting program over the long term, the requirements related to the tertiary pond should be incorporated into the renewed WDRs. West Yost will also work with the City to determine if the allowance for a potential future Fill Station provided under the NOA is also desired to be included in the renewed WDRs.

The current WDRs also include a compliance schedule for the City to comply with the groundwater limitations in the permit, and the City has completed the required action items of this compliance schedule. With the proposed renewal of the WDRs, the Regional Board should address the City's evaluation of compliance with groundwater limitations and/or issue a compliance order related to the ongoing impacts observed near WSM-2. At a minimum, the completed compliance schedule should be removed from the WDRs. Whether the Regional Board will include revised requirements in the revised WDRs or issue some other compliance order during the term of this proposal is unknown. Therefore, this proposal does not include specific scope and budget to address additional groundwater limitation requirements. However, tasks are included for general regulatory program management and as-needed WPCF support services that could partially accommodate support needed if the Regional Board chooses to include additional groundwater limitation requirements in the revised WDRs and/or issue some other compliance order related to the City's groundwater studies.

Finally, the City is in the process of evaluating a potential recycled water discharge to a new NCPA facility that will result in changes to how the land application system is operated. These planned/potential changes will be described in the WDRs modification request so that the new operations are permitted through the renewed WDRs. Requesting a permit for this modification now will allow the City to fast track this potential operational change over the next few years.

Requirements for a Permit Modification Request

The City and West Yost staff met with Regional Board permitting staff in August 2021 to discuss potential modifications to the WDRs, and what process would be needed to obtain a revised permit. The Regional Board staff were amenable to the proposed modifications and recommended that the City prepare an Addendum to the previously submitted permit application (Report of Waste Discharge, or ROWD), which was submitted to the Regional Board in 2012.

Regional Board staff requested that the ROWD Addendum address all components of the Regional Board's recent guidance document on ROWDs for land discharge permits: *Technical Information for a Report of Waste Discharge*. In general, most of the information needed to support the ROWD Addendum is already available to West Yost and/or requires some modest updates. For information already addressed in the 2012 ROWD, the ROWD Addendum can simply refer to the previous ROWD and provide any necessary updates.

Permit Adoption Process

The Regional Board is expected to issue two permit drafts based on the information received in the ROWD Addendum. The first draft will be a non-public Administrative Draft Order for City review, the second draft will be a Tentative Draft Order issued for public review. It is in the interest of the City to thoroughly review these draft documents and prepare comments, particularly on issues that can impact long-term WQCF operations and costs. Based on West Yost's experience, critical permit changes need to be made during the Administrative Draft Order phase, because once the Tentative Draft Order is made public, Regional Board staff are more reluctant to make significant changes.

The Regional Board staff are expected to provide a 30-day review period for the Administrative Draft Order. The Tentative Draft Order by statute also has a 30-day review period. West Yost has successfully negotiated permit terms during the Administrative Draft Order phase leaving the Tentative Draft Order review phase to be a fairly simple effort. However, there are several unique conditions associated with the City's land discharge permit, and it is difficult to predict at this time the level of effort needed to support review of the Administrative Draft Order and Tentative Draft Order. Moreover, there is a possibility that more than one Administrative Draft Order and Tentative Draft Order will need to be issued. Therefore, the work related to the permit review tasks will be limited to the hours identified in this proposal.

Based on West Yost's experience working with Central Valley dischargers on WDRs renewals for land application sites, it is expected that the new WDRs will be formally adopted by the Regional Board as a consent item – meaning there will be no discussion of the WDRs at the Board meeting. If any significant issues are identified that result in the City or other parties contesting the adoption of the new WDRs, however, there will be a formal hearing by the Regional Board for the WDRs adoption. Work related to a permit hearing may include preparing supplemental information to support the agency with their contest of the permit, preparing responses to other parties that have contested the permit, and preparation of these materials for presentation at the Regional Board hearing. The current proposal does not include support specifically related to a permit hearing. However, as noted previously, tasks are included for general regulatory program management and as-needed WPCF support services that could potentially accommodate support related to a permit hearing.

General WRRs and Recycled Water NOA

As noted previously, the tertiary storage pond is currently permitted under the General WRRs and the Recycled Water NOA. The Recycled Water NOA also permits a proposed recycled water Fill Station at the WPCF. The Recycled Water NOA was issued in December 2018 and does not have an expiration date. The scope and fee estimate provided in this proposal do not include support services related to the development of and/or permit compliance for a Recycled Water Fill Station. In addition, although the Recycled Water NOA would no longer be the permit for tertiary pond use with adoption of the renewed WDRs, this proposal assumes that West Yost will continue to provide monitoring and reporting requirements related to the tertiary pond operations through FY 23/24. This assumption is necessary because it is unclear when the WDRs will be adopted.

MAJOR ASSUMPTIONS

Major assumptions pertinent to more than one task of this project are detailed below:

- West Yost will rely on the support from Somach Simmons and Dunn (SSD), an environmental law firm that specializes in serving California permittees on discharge permit issues, should the need arise, as with our previous regulatory support services contracts with the City. A nominal budget has been included under the Regulatory Program Management tasks for SSD assistance.
- The City will continue to contract separately with Robertson Bryan, Inc. for support related to toxicity or temperature study efforts, consistent with West Yost's current contract. Therefore, this proposal does not include significant support related to these efforts. The City has not had recent toxicity issues under the NOA, but ongoing toxicity support may be needed during term of the new contract.
- The City will be responsible for completing any sampling needed to achieve the objectives of the tasks outlined in the scope of services, and the City will contract directly with a certified laboratory for completing any necessary analytical efforts. Under the Regulatory Program Management tasks described herein, West Yost will provide support for coordinating any necessary sampling and analysis efforts with other regulatory needs.

Additional assumptions specific to each task are also included with the scope of services.

SCOPE OF SERVICES

Phase 1

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 22/23 (Phase 1). As described further below, the key tasks necessary to perform this scope of services are as follows:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination and Reporting
- Task 1.4 Groundwater Reporting Support
- Task 1.5 Surface Water Discharge Permit NOI Preparation
- Task 1.6 ROWD Addendum/WDRs Modification
- Task 1.7 As Needed WPCF Support Services

Task 1.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

This task also includes a Kickoff Meeting at the beginning of FY 22/23 to discuss the scope of services, data needed by West Yost to complete the scope of services, and any specific concerns City staff have with the current discharge/reuse permits. West Yost will develop a draft agenda for the kickoff meeting, and provide a follow-up email with agreed-upon actions items.

In addition, to ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost Quality Assurance/Quality Control (QA/QC) policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products. This task includes coordination of these QA/QC efforts.

Task 1.1 Deliverables

- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.
- West Yost will prepare a draft meeting agenda in MS Word format prior to the Kickoff Meeting.
- West Yost will provide an email summarizing action items from the Kickoff Meeting within one week of the meeting.

Task 1.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 22/23. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Supporting the City to respond to mercury monitoring and reporting requirements required as part of the Regional Board's mercury Total Maximum Daily Load effort.
7. Completing reviews of collected monitoring data to identify potential future regulatory concerns, such as for PFAS (Per- and Polyfluoroalkyl Substances) in wastewater effluent, biosolids and groundwater underlying the WPCF.
8. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
9. Attending and preparing for meetings to discuss the results of regulatory program management activities.
10. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
11. Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of services, the task budget may also be directed toward the completion of other efforts.

Task 1.2 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services under this task are requested.

Task 1.3 Land Application Monitoring Coordination and Reporting

West Yost's efforts during FY 23/24 will include the following services:

- Review the 2022 land application monitoring data and development of the 2022 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2023. This report will summarize the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, provide an assessment of compliance with land application area loading limits and related requirements, discuss any corrective actions taken or needed, and discuss the cropping and irrigation plan for the coming year.
- Prepare the online 2022 Annual Biosolids Application Report, which is an online form that documents the City's biosolids production and reuse practices for the prior year and is due to the USEPA by February 19, 2023.
- Prepare the nine monthly land application reports required under the WDRs for the months of June 2022 through May 2023.
- Participate in an annual land management kickoff meeting in early 2023 to discuss planned annual operations and up to nine monthly meetings between July 2022 and June 2023 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.
- Complete an analysis of appropriate biosolids application by field and coordination with the City agronomist and farmers for the Fall 2022 and Spring 2023 biosolids application on the land application areas.
- Prepare quarterly tertiary pond reports required under Recycled Water NOA for Second Quarter 2022 through First Quarter 2023.
- Prepare annual report on 2022 tertiary pond activities required under the Recycled Water NOA and due to the Regional Board by April 1, 2023.

Task 1.3 Assumption

- The farmers/agronomist will provide the City/West Yost a list of fields proposed for biosolids application at least two weeks prior to each planned application event.

Task 1.3 Deliverables

- West Yost will prepare a draft and final 2022 Annual Land Management Reports and Draft 2022 Annual Biosolids Application Report in PDF format.
- West Yost will prepare draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.
- West Yost will prepare a draft and final monthly land application reports in PDF format.
- West Yost will prepare emails with recommended biosolids applications (fall and spring)
- West Yost will prepare a draft and final tertiary pond quarterly reports in PDF format.
- West Yost will prepare a draft and final tertiary pond annual report in PDF format.

Task 1.4 Groundwater Reporting Support

West Yost's efforts during FY 22/23 will include development of the following:

- **Quarterly Self-Monitoring Reports for Second Quarter 2022 through First Quarter 2023:** These efforts will include coordination with City staff for the respective data and information, compilation of attachments and development of draft cover letter for each report.
- **Quarterly groundwater elevation contour maps:** These are part of the Quarterly Self-Monitoring Reports, and will be developed using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions.
- **2022 Annual Groundwater Evaluation Report:** This effort includes a statistical analysis of 2022 groundwater quality data, a determination of compliance with the groundwater limitations for each constituent monitored and compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed. The Groundwater Evaluation Report is intended to be attached to the Annual Report under the WDRs developed by the City.

Task 1.4 Assumption

- The City will prepare the additional elements of the Annual Report beyond the Annual Groundwater Evaluation Report.

Task 1.4 Deliverables

- West Yost will prepare draft and final quarterly reports, including figures depicting the quarterly groundwater contour information, for Third Quarter 2022 through Second Quarter 2023, in PDF format.
- West Report will prepare an Annual Groundwater Evaluation Report summarizing the statistical analysis and compliance/corrective actions in PDF format, to be incorporated into the City's Annual Report.

Task 1.5 Surface Water Discharge Permit NOI Preparation

West Yost will prepare an NOI package for submittal to the Regional Board by April 1, 2023, to allow for continued discharge of disinfected tertiary effluent to Dredger Cut. The NOI package will include the following items:

- Completed Regional Board's NOI form with site-specific information
- Supporting report that describes the following:
 - facility overview
 - basic facility and discharger information
 - summary of recent effluent monitoring results, focused on outlier data that could result in effluent limits
 - recent operational changes and modifications
 - planned operational changes and modifications
 - pretreatment program activities
 - site map and flow schematic
- Cover letter

West Yost will also participate in discussions with Regional Board staff, as needed, to discuss the NOI submission and/or City comments. It is difficult to predict the level of effort that will be needed to respond to Regional Board questions, so the scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time-and-materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be warranted in the future. Conversely, if the estimated fee is not expended in the timeframe anticipated for this scope of work, it may be directed toward the completion of other efforts.

Task 1.5 Deliverables

- West Yost will provide a draft and final Notice of Intent package in PDF format
- West Yost will provide draft NOI cover letter in MS Word format
- West Yost will coordinate additional deliverables for this task with the City staff if such services are required.

Task 1.6 ROWD Addendum/WDRs Modification Application

West Yost will prepare an ROWD Addendum for the City that identifies where the information listed in the Regional Board's ROWD guidance document can be found in reports previously prepared by the City, including the 2012 ROWD. A completed Form 200 will also be prepared with the ROWD Addendum.

Items that will be updated include at a minimum the following:

- Acknowledgement of no significant updates to the WPCF treatment facilities since 2012
- Description of planned/potential changes to the WPCF treatment facilities
- Summaries of influent and effluent flows from recent years, including irrigation flows
- Description of any updates to the WPCF land application activities and other reuse activities since 2012, including construction of the tertiary pond in 2019
- Discussion of proposed changes to the City's monitoring and reporting practices to be consistent with current Regional Board standards
- Description of planned/potential changes to the WPCF land application and reuse operations
- Summary of groundwater quality compliance and related reports submitted to the Regional Board since 2013
- Description of recent compliance history with the WDRs requirements

Items that will be developed and updated from other recent City/West Yost reports with City staff include the following:

- A current water balance of the WPCF pond system
- Descriptions of facility operations and maintenance

Items that will be briefly described and referenced as being detailed in other reports that will be provided on a OneDrive website for Regional Board reference include the following:

- Compliance of recycled water production and use with the State's Title 22 requirements, as documented in the City's *Title 22 Engineering Report*.
- BPTC compliance activities during the term of the WDRs in accordance with the current WDRs compliance schedule

Because the compliance schedule has been completed, the ROWD Addendum will also include a request to revise language related to the groundwater limitations.

Finally, West Yost will review the City's historical monitoring well groundwater elevation and water quality results and develop a recommended plan for reducing the number of monitoring wells needed for monitoring the groundwater underlying the WPCF. The recommended plan will identify functionally redundant monitoring wells and wells that are not sufficiently downgradient of the City's land application activities to provide information on potential impacts at the "point of compliance" of the City's property line. The plan will also identify well that should be replaced/relocated to address concerns related coliform contamination.

A draft ROWD Addendum package will be prepared for City review. West Yost will coordinate a meeting with City staff following submittal of the draft ROWD Addendum to discuss City comments on the draft document. The final ROWD Addendum package will be prepared that incorporates City comments.

Task 1.6 Deliverables

- West Yost will provide a draft and final ROWD Addendum, including Form 200, in PDF format
- West Yost will provide a draft cover letter for ROWD Addendum in MS Word format

Task 1.7 As-Needed WPCF Support Services

During FY 22/23, the City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 1.7 Deliverables

- West Yost will be coordinated with the City staff if services are requested.

Phase 2

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 23/24 (Phase 2). As described further below, The key tasks necessary to perform this proposed scope of services are as follows:

- Task 2.1 Project Management
- Task 2.2 Regulatory Program Management
- Task 2.3 Land Application Monitoring Coordination and Reporting
- Task 2.4 Groundwater Reporting Support
- Task 2.5 Surface Water Discharge Permit Adoption Support
- Task 2.6 WDRs Adoption Support
- Task 2.7 As Needed WPCF Support Services

Task 2.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

In addition, to ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost QA/QC policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products. This task includes coordination of these QA/QC efforts.

Task 2.1 Deliverables

- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.

Task 2.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 23/24. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Supporting the City to respond to mercury monitoring and reporting requirements required as part of the Regional Board's mercury Total Maximum Daily Load effort.
7. Completing reviews of collected monitoring data to identify potential future regulatory concerns.
8. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
9. Attending and preparing for meetings to discuss the results of regulatory program management activities.
10. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
11. Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of services, the task budget may also be directed toward the completion of other efforts.

Task 2.2 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services under this task are requested.

Task 2.3 Land Application Monitoring Coordination and Reporting

West Yost's efforts during FY 23/24 will include the following services:

- Review the 2023 land application monitoring data and development of the 2023 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2024. This report will summarize the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, provide an assessment of compliance with land application area loading limits and related requirements, discuss any corrective actions taken or needed, and discuss the cropping and irrigation plan for the coming year.
- Prepare the online 2023 Annual Biosolids Application Report, which is an online form that documents the City's biosolids production and reuse practices for the prior year and is due to the USEPA by February 19, 2024.
- Prepare the nine monthly land application reports required under the WDRs for the months of June 2023 through May 2024.
- Participate in an annual land management kickoff meeting in early 2024 to discuss planned annual operations and up to nine monthly meetings between July 2023 and June 2024 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.
- Complete an analysis of appropriate biosolids application by field and coordination with the City agronomist and farmers for the Fall 2023 and Spring 2024 biosolids application on the land application areas.
- Prepare quarterly tertiary pond reports required under Recycled Water NOA for Second Quarter 2023 through First Quarter 2024.
- Prepare annual report on 2023 tertiary pond activities required under the Recycled Water NOA and due to the Regional Board by April 1, 2024.

Task 2.3 Assumption

- The farmers/agronomist will provide the City/West Yost a list of fields proposed for biosolids application at least two weeks prior to each planned application event.

Task 2.3 Deliverables

- West Yost will provide a draft and final 2023 Annual Land Management Reports and Draft 2023 Annual Biosolids Application Report in PDF format.
- West Yost will prepare a draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.
- West Yost will provide a draft and final monthly land application reports in PDF format.
- West Yost will prepare emails with recommended biosolids applications (fall and spring)
- West Yost will prepare a draft and final tertiary pond quarterly reports in PDF format.
- West Yost will provide a draft and final tertiary pond annual report in PDF format.

Task 2.4 Groundwater Reporting Support

West Yost's efforts during FY 23/24 will include development of the following:

- **Quarterly Self-Monitoring Reports for Second Quarter 2023 through First Quarter 2024:** These efforts will include coordination with City staff for the respective data and information, compilation of attachments and development of draft cover letter for each report.
- **Quarterly groundwater elevation contour maps:** These are part of the Quarterly Self-Monitoring Reports, and will be developed using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions.
- **2023 Annual Groundwater Evaluation Report:** This effort includes a statistical analysis of 2023 groundwater quality data, a determination of compliance with the groundwater limitations of the WDRs for each constituent monitored and compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed. The Groundwater Evaluation Report is intended to be attached to the Annual Report under the WDRs developed by the City.

Task 2.4 Assumption

- The City will prepare the additional elements of the Annual Report beyond the Annual Groundwater Evaluation Report.

Task 2.4 Deliverables

- West Yost will prepare a draft and Final quarterly reports, including figures depicting the quarterly groundwater contour information, for Third Quarter 2023 through Second Quarter 2024, in PDF format.
- West Yost will provide an Annual Groundwater Evaluation Report summarizing the statistical analysis and compliance/corrective actions in PDF format, to be incorporated into the City's Annual Report.

Task 2.5 Surface Water Discharge Permit Adoption Support

West Yost will review the Draft NOA for errors or concerns relative to the City's current NOA and other recent, similar NOAs issued by the Regional Board. West Yost will prepare a list of suggested comments for City consideration and participate in a conference call with City staff to discuss the suggested comments. Following this discussion, West Yost will prepare a draft comment document for City staff review. Following this review, West Yost will prepare a final comment document for City submission to the Regional Board. It is assumed that comments on the Draft NOA, if any, will be minor and can be addressed in a letter from the City to the Regional Board. West Yost will also participate in discussions with Regional Board staff, as needed, to discuss the City comments.

It is difficult to predict the level of effort that will be needed to respond to Regional Board requests and review and respond to the draft permit, so the scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time-and-materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be warranted in the future. Conversely, if the estimated fee is not expended in the timeframe anticipated for this scope of work, it may be directed toward the completion of other efforts.

Task 2.5 Deliverables

- West Yost will provide a draft comment document in MS Word format
- Additional deliverables for this task are dependent on the additional effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate additional deliverables for this task with the City staff if and when such services are required.

Task 2.6 WDRs Adoption Support

West Yost will complete a review of the Administrative Draft Order and Tentative Draft Order. These reviews will include a thorough read-through the orders for errors or concerns relative to the City's current permit and other recent, similar permits issued by the Regional Board and development of a comment document on the City's behalf.

The Regional Board staff are expected to provide a 30-day review period for the Administrative Draft Order and A 30-day review period will be provided for the Tentative Draft Order. The following procedure outlines our strategy and scope for developing a comprehensive comment letter on these orders in that limited timeline:

- West Yost will develop a table summarizing all suggested comments within 10 days of receiving the Draft Order.
(Cumulative Time Passed: 10 days)
- Within three days of submitting this list to the City, West Yost will meet with City staff to discuss the suggested comments and obtain input regarding any City comments.
(Cumulative Time Passed: 13 days)
- West Yost will develop a draft comment document for City review within five days of the City meeting, ensuring the document is submitted to the City within three weeks of receiving the Draft Order. The comment document will be prepared as a stand-alone document for attachment to a City cover letter.
(Cumulative Time Passed: 18 days)

- The City will have five days to review the comment document.
(Cumulative Time Passed: 23 days)
- West Yost will develop a screen-check version within two days of receiving City comments.
(Cumulative Time Passed: 25 days)
- City review and finalization of the comment document and cover letter will then need to be completed and the documents submitted within five days.
(Cumulative Time Passed: 30 days)

It is expected that at least one meeting with Regional Board staff will be needed to discuss the City's comments on the Administrative Draft Order and one meeting to discuss City comments on the Tentative Draft Order. Additional meetings, if needed, would be accommodated under the Regulatory Program Management task (Task 2.2). A preliminary draft agenda will be prepared for City staff review at least one week prior to these meetings and a draft agenda prepared and submitted to the City and Regional Board staff at least one day prior to the meeting. An email listing the significant decisions made will also be developed following the meeting to document decisions made for all meeting participants.

Given the complexity of the City's land application operations and the age of the existing land application permits, preparing comments on the Administrative Draft Order and Tentative Draft Order could require a similar level of effort. The level of effort required for this task can only be estimated prior to issuance of the Administrative Draft WDRs, so the associated fee estimate presented in this letter proposal is based on West Yost's understanding of the City's permit needs. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future.

Task 2.6 Assumptions

- During review and negotiation of the new WDRs, West Yost may identify the need for the City to enlist the assistance of legal counsel in evaluating legal issues with the wastewater discharge permit. West Yost will work with the City to identify an appropriate support team for these efforts. If needed, legal support services could be procured through the West Yost contract and billed under the Regulatory Program Management task (Task 2.2).

Task 2.6 Deliverables

- West Yost will provide a list of suggested comments on the Administrative Draft WDRs in PDF format.
- West Yost will provide a draft and final comment documents on the Administrative Draft WDRs in PDF format.
- West Yost will provide preliminary draft meeting agenda in MS Word format and draft meeting agenda in PDF format for two meetings with the Regional Board.
- West Yost will provide an email with decisions to meeting participants.
- West Yost will prepare a list of suggested comments on the Tentative Draft WDRs in PDF format.
- West Yost will prepare a draft and final comment documents on the Tentative Draft WDRs in PDF format.

Task 2.7 As-Needed WPCF Support Services

During FY 23/24, the City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 2.7 Deliverables

- Deliverables for this task will be coordinated task with City staff if services under this task are requested.

ESTIMATED FEE

The estimated fee for each of the tasks described above and total estimated fee are shown in Table 1. West Yost will perform all work on an hourly basis at standard company charge rates and will not exceed the estimated cost without written authorization. Attachment A provides West Yost's 2022 charge rate schedule.

If additional budget is required to complete the Scope of Services identified herein, West Yost will request City authorization prior to exceeding the budget. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Estimated Project Fee for FY 22/23 and FY 23/24 Regulatory Support

Task	West Yost Fee, dollars	SSD Fee, dollars	Total Fee, dollars
Phase 1			
Task 1.1 Project Management	7,800	0	7,800
Task 1.2 Regulatory Program Management	13,900	5,000	18,900
Task 1.3 Land Application Monitoring Coordination and Reporting	63,500	0	63,500
Task 1.4 Groundwater Reporting Support	26,300	0	26,300
Task 1.5 Surface Water NOI Preparation	24,800	0	24,800
Task 1.6 ROWD Addendum/WDRs Modification Request	54,400	0	54,400
Task 1.7 As-Needed WPCF Support Services	14,300	0	14,300
Subtotal for Phase 1 (FY 22-23)	\$205,000	\$5,000	\$210,000
Phase 2			
Task 2.1 Project Management	4,700	0	4,700
Task 2.2 Regulatory Program Management	14,600	5,000	19,600
Task 2.3 Land Application Monitoring Coordination and Reporting	66,400	0	66,400
Task 2.4 Groundwater Reporting Support	27,500	0	27,500
Task 2.5 Surface Water Discharge Permit Adoption Support	10,600	0	10,600
Task 2.6 WDRs Adoption Support	59,300	0	59,300
Task 2.7 As-Needed WPCF Support Services	15,000	0	15,000
Subtotal for Phase 2 (FY 23-24)	\$198,100	\$5,000	\$203,100
Total Project Budget	\$403,100	\$10,000	\$413,100

SCHEDULE

West Yost anticipates conducting a kickoff meeting with City staff within four weeks after receiving notice to proceed. We anticipate that a draft ROWD Addendum would be provided to the City for review within four months of the kickoff meeting, and a final ROWD Addendum would be submitted within a month of receiving comments on the draft from the City.

Other deliverables with specific regulatory deadlines will be developed in time to provide City staff at least one week for review of draft deliverables prior to preparing final documents. The timing of the remaining deliverables, such as draft permit comments, will depend on the Regional Board and cannot be estimated at this time.

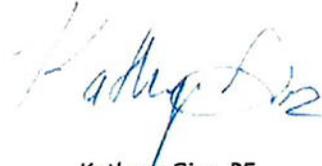
Mr. Lance Roberts
June 6, 2022
Page 21

Thank you for providing West Yost the opportunity to be of continued service to the City of Lodi with permitting services for the WPCF. We look forward to working with you on this important project. Please call if you have any questions or require additional information.

Sincerely,
WEST YOST



Charles Hardy, PE
RCE #71015



Kathryn Gies, PE
RCE #65022

Attachment A: West Yost 2022 Billing Rate Schedule

Attachment A

West Yost 2022 Billing Rate Schedule

2022 Billing Rate Schedule

(Effective January 1, 2022 through December 31, 2022)*



POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$318
Engineer/Scientist/Geologist Manager I / II	\$301 / \$315
Principal Engineer/Scientist/Geologist I / II	\$272 / \$289
Senior Engineer/Scientist/Geologist I / II	\$244 / \$256
Associate Engineer/Scientist/Geologist I / II	\$209 / \$224
Engineer/Scientist/Geologist I / II	\$168 / \$195
Engineering Aide	\$98
Field Monitoring Services	\$90
Administrative I / II / III / IV	\$86 / \$109 / \$130 / \$144
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$313 / \$315
Principal Tech Specialist I / II	\$287 / \$297
Senior Tech Specialist I / II	\$263 / \$275
Senior GIS Analyst	\$238
GIS Analyst	\$225
Technical Specialist I / II / III / IV	\$168 / \$191 / \$215 / \$240
Technical Analyst I / II	\$120 / \$144
Technical Analyst Intern	\$97
Cross-Connection Control Specialist I / II / III / IV	\$125 / \$136 / \$152 / \$170
CAD Manager	\$189
CAD Designer I / II	\$147 / \$166
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$304
Construction Manager I / II / III / IV	\$185 / \$199 / \$211 / \$267
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$162 / \$180 / \$201 / \$209
Apprentice Inspector	\$147
CM Administrative I / II	\$79 / \$106
Field Services	\$209

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc will be billed at actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice

2022 Billing Rate Schedule

(Effective January 1, 2022 through December 31, 2022)*



Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$270 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Gas Detector	\$80 / day
Generator	\$39 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Controller	\$75 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter	\$19 / day
Stainless Steel Wire per foot	\$0.03 / day
Storage Tank	\$15 / day
Sump Pump	\$24 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$22 / day
Vehicle	\$10 / day
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$27 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

AMENDMENT NO. 1

WEST YOST & ASSOCIATES, INC.
TASK ORDER NO. 49

THIS AMENDMENT, made and entered this 12th April day of 2021, by and between the CITY OF LODI, a municipal corporation (hereinafter "CITY"), and WEST YOST & ASSOCIATES, INC., a California corporation (hereinafter called "CONTRACTOR").

WITNESSETH:

- 1. WHEREAS, CONTRACTOR and CITY entered into Task Order No. 49 (the "Agreement") on September 1, 2020, attached hereto as Exhibit 1, and made a part hereof; and
- 2. WHEREAS, CITY requested to increase the fees under the agreement by \$62,100, for a total not to exceed amount of \$255,800, and amend the existing scope of services for Regulatory Services at White Slough Water Pollution Control Facility, attached hereto as Exhibit 2 and made part of; and
- 3. WHEREAS, CONTRACTOR agrees to said amendments; and

NOW, THEREFORE, the parties agree to amend the not to exceed amount under the Agreement as set forth above. All other terms and conditions of the Agreement remain unchanged.

IN WITNESS WHEREOF, CITY and CONTRACTOR have executed this Amendment No. 1 on the date and year first above written.

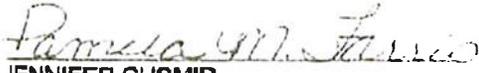
CITY OF LODI, a municipal corporation
Herein above called "CITY"

WEST YOST & ASSOCIATES, INC., a California corporation
Hereinabove called "CONTRACTOR"

By: 
STEPHEN SCHWABAUER
City Manager

By: 
JEFFREY PELZ
Vice President

Attest:


for JENNIFER CUSMIR
City Clerk

Approved as to Form


JANICE D. MAGDICH
City Attorney



1001 Galaxy Way
Suite 310
Concord CA 94520

925.349.5800 phone
530.756.5991 fax
westyost.com

May 28, 2021

SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
1331 South Ham Lane
Lodi, CA 95240

SUBJECT: Budget Augmentation Request No. 2 for WPCF Regulatory Services for FY 20/21 and FY 21/22

Dear Mr. Roberts:

Since July 2020, West Yost has been providing regulatory and planning support services to the City of Lodi (City) for the Water Pollution Control Facility (WPCF) under the Regulatory Services for Fiscal Year (FY) 20/21 and FY 21/22 (the "Project"). The purpose of this letter is to request an amendment to the scope and budget for this Project.

Included in this letter are background information on the additional services needed, a summary of West Yost's current scope of services, a description of the scope of services for the additional efforts, and a requested budget augmentation.

BACKGROUND

The original scope of services for the Project included providing routine land application reporting support and "as needed" compliance support through FYs 20/21 and 21/22. During completion of services through FY 20/21, it became apparent that City staff require more reporting and as-needed support than had originally been anticipated. In addition, several Requests for Information (RFIs) have been issued over the last nine months that have required support from West Yost to complete: two from the Regional Water Quality Control Board (Regional Board) and two from the U.S. Environmental Protection Agency (USEPA). A contract amendment was approved by the City Council in February 2021 related to two of these RFIs. After development of the previous amendment request, both agencies issued additional information requests to the City, which West Yost has supported. Additional information regarding these additional services items is provided below.

Reporting and Regulatory Compliance Support

The land application practices activities associated with the WPCF are permitted by the Regional Board under *Waste Discharge Requirements and Master Reclamation Permit* Order No. R5-2007-0113-01 (WDRs). The WDRs require submission of monthly, quarterly and annual Self-Monitoring Reports (SMRs) to the Regional Board. Discharges of tertiary effluent to the City's new Tertiary Storage Pond and use of the stored recycled water are separately subject to a Notice of Applicability (NOA) No. 2016-0068-DDW-R5007 that requires submission of separate quarterly and annual SMRs on the pond water to the Regional Board.

During development of the current scope of work, the City had a staff person specifically dedicated to preparing compliance documents in addition to the WPCF staff, and the scope of service reflects the assumption that West Yost would only serve as a secondary review. With the departure of this staff person, West Yost has had to step in and provide more of a leadership role in the report development. It is anticipated that this role will continue through FY 21/22.

In addition, turbidity measurements in the WPCF's tertiary effluent have in several recent months shown potential exceedances of permit limits. Assisting WPCF staff with documenting and troubleshooting the turbidity measurements and corrective actions in monthly SMRs has required significant, substantial effort beyond that originally anticipated.

2021 Regional Board Draft SMR Review

On October 13, 2020, Regional Board staff submitted comments and questions to the City on the City's April 2019 SMR; and on October 27, 2020, the Regional Board submitted an additional set of questions along with a table listing missing data for monthly and quarterly SMRs from the period of April 2019 through August 2020. On January 11, 2021, the Regional Board issued a "Draft SMR Review" as a follow up to the 2020 RFIs that included six categories of information. The Draft SMR Review required review to confirm its accuracy and development of additional responses.

2021 USEPA RFI

The USEPA has jurisdiction over the WPCF biosolids operations in accordance with Section 40, Part 503 of the Code of Federal Regulations (40 CFR 503). The City submits annual reports to the USEPA to describe the City's compliance with the requirements 40 CFR 503.

The City received an RFI letter dated September 8, 2020, from the USEPA Region 7 seeking information regarding the City's compliance with requirements of 40 CFR 503, specifically for biosolids generated at the WPCF in 2019 and 2020. Six categories of information were requested, with sixteen different items required for each year. A second RFI was received on April 8, 2021, requesting similar information from November 2020 through the date of the letter.

CONTRACTED SCOPE OF SERVICES

The Scope of Services for the Project includes several tasks, split into two phases. Phase 1 Scope of Services was envisioned to cover tasks required within the first FY (i.e. FY 2020/2021) and Phase 2 within the second FY (i.e. FY 2020/2021). FY 20/21 runs through June 2021, so the Project is currently within Phase 1.

The Phase 1 Scope of Services includes the following tasks:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination
- Task 1.4 Groundwater Reporting Support
- Task 1.5 NOA Adoption Support
- Task 1.6 Place of Use Change Petition Support
- Task 1.7 As-Needed WPCF Support Services

The Phase 2 Scope of Services includes the following tasks:

- Task 2.1 Project Management
- Task 2.2 Regulatory Program Management
- Task 2.3 Land Application Monitoring Coordination
- Task 2.4 Groundwater Reporting Support
- Task 2.7 As-Needed WPCF Support Services

The additional efforts described herein would be included under Tasks 1.1, 1.2, 1.3, 2.2, and 2.3.

Project Management (Task 1.1)

The complexities of preparing responses to the various Regional Board and USEPA responses have required additional Project Manager coordination of West Yost staff than anticipated under the current scope of services. Additional Project Management effort has also been needed to support development and processing of the previous budget augmentation request and development of the current budget augmentation request.

Regulatory Program Management (Tasks 1.2 and 2.2)

West Yost provides the City with assistance related to understanding general regulatory compliance issues, implementing the measures needed to achieve compliance, and responding to information requests from the Regional Board (or USEPA). The specific work and deliverables under this task are defined in partnership with the City as needs arise, and scope is limited to the work that can be performed within the budget allocated. The budget under this task was increased with the previous contract amendment to cover the following services:

- Responding to the 2020 Regional Board RFI;
- Responding to the 2020 USEPA RFI;
- Developing a revised April 2020 Self-Monitoring Report (SMR) and several revised quarterly SMRs in response to items identified in the 2020 Regional Board RFI; and
- Developing updates to the City's 2021 land management spreadsheets in response to the 2020 Regional Board RFI.

Land Application Monitoring Coordination (Tasks 1.3 and 2.3)

This task involves providing the following services:

- Review the land application monitoring data and develop two Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2021, and February 1, 2022.
- Prepare two online Annual Biosolids Application Report, due to the USEPA by February 19, 2021, and February 19, 2022. Reports are certified and submitted by City staff.
- Review of the monthly land application reports under the WDRs completed for the months of June 2020 through May 2022.
- Participation in annual land management kickoff meetings in early 2021 and early 2022 to discuss planned annual operations and up to eighteen monthly meetings between July 2020 and June 2022 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.

ADDITIONAL SCOPE OF SERVICES

Task 1.1. Project Management

Additional project management effort is needed to coordinate preparation of responses to the 2021 USEPA and Regional Board RFIs and to develop and process the previous budget augmentation request and develop the current budget augmentation request.

Tasks 1.2 and 2.2. Regulatory Program Management

The following services are required to assist the City in responding to the April 2021 USEPA RFI:

- Coordinate with City staff to provide additional data and information to adequately respond to the USEPA request;
- Coordinate with City staff to document volatile solids reduction data from November 2020 through March 2021 to address USEPA vector attraction reduction requirements;
- Prepare a draft letter response to the RFI; and
- Participate in a conference call with City staff to discuss the draft letter response.

In addition, the following additional services are required to assist the City during FYs 20/21 and 21/22:

- Preparation of eight quarterly tertiary pond SMRs;
- Preparation of two annual tertiary pond SMRs; and
- Review of monthly surface discharge reporting spreadsheets prepared by City staff, starting with January 2021 through May 2022.

Additional Deliverables for Tasks 1.2 and 2.2

- West Yost will provide a draft and final letter and attachments providing an RFI response to the Regional Board in electronic (PDF) format.
- West Yost will provide draft reports to the City in electronic (PDF) format and submit final reports to the Regional Board on behalf of the City in electronic (PDF) format.
- West Yost will provide review comments in emails on monthly surface discharge reporting spreadsheets.

Tasks 1.3 and 2.3. Land Management Reporting Support

The following additional services are required to assist the City with regulatory reporting support during FYs 20/21 and 21/22:

- Preparation of 24 monthly land management SMRs, including review and compilation of effluent daily turbidity charts; and
- Preparation of eight quarterly land management SMRs.

Additional Deliverables for Tasks 1.3 and 2.3

- West Yost will provide draft land management reports to the City in electronic (PDF) format and submit final land management reports to the Regional Board on behalf of the City in electronic (PDF) format.

BUDGET AUGMENTATION REQUEST

The proposed additional budget for the additional services required under Tasks 1.1, 2.1, 1.2, 1.3 and 2.3 is presented in Table 1. West Yost will perform the Scope of Services on a time-and-expenses basis, based on the hours indicated and West Yost's contracted rates. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

For the tasks detailed in the table, an additional budget of \$55,000 is estimated to be needed. However, the scope of another Phase 1 task was recently completed (Task 1.5 for Surface Discharge NOA Adoption Support), and transfer of the remaining available budget from Task 1.5 is proposed to offset some of the additional budget being requested. With that adjustments, a total of \$47,600 is being requested, which would increase the total Contract amount from \$255,800 to \$303,400.

Task	Level of Effort, hours			Estimated Budget, dollars		
	Current	Proposed Augmentation	Total	Current	Proposed Augmentation	Total
Project Management						
Task 1.1. Project Management	16	6	22	3,800	1,500	5,300
Regulatory Program Management						
Task 1.2. Regulatory Program Management	282	104	386	77,100	25,700	102,800
Land Management Reporting Support						
Task 1.3. Land Application Monitoring Coordination	144	56	200	33,400	13,800	47,200
Task 2.3. Land Application Monitoring Coordination	144	56	200	34,400	14,000	48,400
Total (for tasks shown)	586	222	808	148,700	55,000	203,700

We appreciate your time in reviewing the requested modifications. Please do not hesitate to let me know if you would like to discuss the information in more detail. Thank you for your consideration in this matter.

Sincerely,

WEST YOST

Charles Hardy, PE
 Senior Engineer
 RCE#71015

Kathryn G. Gies, PE
 Engineering Manager
 RCE #65022

Task Order 49

City of Lodi

Regulatory Services for FY 20/21 and FY 21/22

West Yost Job Number 213-50-20-45

In accordance with the Task Order Agreement between City of Lodi (Client) and West Yost Associates, Inc. (Consultant), dated January 13, 1999, Consultant is authorized to complete the work scope defined in this Task Order according to the schedule and budget defined herein.

WORK SCOPE

The purpose of this project is to provide engineering services, and related assistance, to the Client in meeting permitting requirements for the White Slough Water Pollution Control Facility. The scope of the services covers most of the regulatory-related support efforts that are anticipated to be necessary during Fiscal Year 2020/2021 (FY 20/21) and Fiscal Year 2021/2022 (FY 21/22). The specific details for the work scope are provided in the attached letter proposal to Mr. Lance Roberts dated May 26, 2020, Attachment A.

BUDGET

The costs for Consultant's services as defined herein shall not exceed \$193,700.

COMPENSATION

Compensation shall be in accordance with the provisions of the Task Order Agreement between Client and Consultant and the billing rate schedule as shown in Attachment A.

The compensation limit for services performed under this task order shall not exceed \$193,700. If additional funds are required to complete the services defined herein beyond this limit, Consultant shall notify Client in writing prior to reaching the authorized limit and will not proceed with work in excess of the limit without the prior written approval of Client.

SCHEDULE

The proposed scope of services will cover the period beginning July 1, 2020 and ending June 30, 2022. Project work will begin with notice to proceed from the Client.

WEST YOST ASSOCIATES, INC.

CITY OF LODI



Signature

Steve Schwabauer

Signature

Jeffrey D. Pelz

Printed Name

Stephen Schwabauer

Printed Name

Vice President

Title

City Manager

Title

8/17/20

Date

September 1, 2020

Date

Approved as to Form:
Janice D. Magdich

JANICE D. MAGDICH
City Attorney



May 26, 2020

SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
Public Works Department
221 West Pine Street
Lodi, CA 95240

SUBJECT: Proposal for Engineering Services –
WPCF Regulatory Services for FY 20/21 and FY 21/22

Dear Mr. Roberts:

West Yost Associates (West Yost) appreciates the opportunity to present to you this letter proposal for ongoing engineering services related to assisting the City of Lodi (City) in meeting permitting requirements for the City's White Slough Water Pollution Control Facility (WPCF). The scope of work described in this letter proposal is intended to cover regulatory related support efforts anticipated to be needed during Fiscal Year 2020/2021 (FY 20/21) and Fiscal Year 2021/2022 (FY 21/22) under the following discharge permits issued by the Central Valley Regional Water Quality Control Board (Regional Board):

- *General Permit for Municipal Wastewater Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (General Permit) and the site-specific Notice of Applicability (NOA) R5-2017-0085-003 for coverage under the General Permit*
- *Waste Discharge Requirements (WDRs), Order No. R5-2007-0113-01*
- *NOA WQ-2016-0068-DDW-R5007 (Recycled Water NOA) for coverage under the State Water Resources Control Board's (State Water Board's) Order WQ 2016-0068-DDW Waste Reclamation Requirements for Recycled Water Use (General WRRs)*

As with our previous regulatory support services contracts with the City, West Yost will rely on the support from Somach Simmons and Dunn (SSD), an environmental law firm that specializes in serving California permittees on discharge permit issues, should the need arise.

In previous contracts for regulatory services, West Yost has not included support related to temperature or toxicity studies that may be required. The City has instead separately contracted with Robertson Bryan, Inc. to support temperature and toxicity studies. The City has not had recent toxicity issues under the NOA, but ongoing toxicity support may be needed during term of the new contract. However, consistent with West Yost's current contract, West Yost assumes that the City will continue to contract separately with Robertson Bryan, Inc. for support related to toxicity or temperature study efforts and this proposal does not include significant support related to these efforts.

At the request of the City, the Scope of Work and Fee Estimate provided in this proposal have been divided into two phases, one for each of the fiscal years covered. It is understood that the City may authorize services for either both years together or for each year separately.

PROJECT UNDERSTANDING

The following topics are presented as background information pertaining to the proposed work and define the basic understanding affecting the level of effort:

- General Permit and NOA for surface water discharge
- WDRs for land application
- General WRRs and Recycled Water NOA
- Dredger Cut water rights reporting

General Permit and NOA for Surface Water Discharge

The General Permit and site-specific NOA, Order No. R5-2017-0085-003, apply to the City's discharge of disinfected tertiary effluent to Dredger Cut. The Regional Board adopted a revised General Permit in April 2020. Under our current contract with the City, West Yost has reviewed the revised General Permit and did not identify any significant changes that would impact WPCF activities.

The current NOA expires on March 31, 2021 and requires submittal of a Notice of Intent (NOI) by July 1, 2020. The Regional Board limited the term of the current NOA to two years to allow for supplemental data to be provided for a few monitoring analytes of concern: chronic toxicity, cyanide, lead, and selenium. Regional Board staff have indicated in recent discussions that it would be sufficient for the City to meet the NOI submittal requirement by submitting the previous NOI/Report of Waste Discharge developed in 2018 with a cover letter documenting analysis of the analytes of concern and attaching the required NOI form signed by the City.

West Yost is in the process of preparing the NOI documents under our current contract with the City. As part of that effort, we did not identify any compliance issues with the recent monitoring results for the analytes of concerns. Therefore, the NOI cover letter should include a request that the term of the NOA be extended for an additional three years to cover the full five-year term, and that no other changes to the NOA should be made.

The draft NOA is expected to be issued during FY 20/21. The scope of services described herein is based on assisting the City with reviewing the draft NOA and providing additional information that may be requested by Regional Board staff as they prepare the NOA and review the NOI materials.

WDRs for Land Application

The WDRs were adopted in 2013 and do not have an expiration date. The WDRs apply to the following WPCF operations:

- Storage and land application of undisinfected, secondary effluent on City-owned agricultural properties;
- Storage and land application of industrial process flows, which include seasonal food processing flows from Pacific Coast Producers, entering the WPCF via the industrial wastewater sewer system;

- Biosolids land application on City-owned agricultural properties; and,
- Supply of disinfected tertiary recycled water to the Northern California Power Agency and San Joaquin County Mosquito and Vector Control District.

The WDRs require the following routine monitoring reports with which West Yost has historically assisted with development or completed on the City's behalf:

- Quarterly groundwater contour maps that include calculation of groundwater elevations, an assessment of groundwater flow direction and gradient on the date of measurement, comparison of previous flow direction and gradient data, and discussion of seasonal trends, if any.
- Annual Monitoring Reports that provide an evaluation of the groundwater quality beneath the WPCF and land application area, determination of compliance with the groundwater limitations of the WDRs based on statistical analysis for each constituent monitored for each compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed.
- Annual Cropping and Irrigation Reports that provide summaries of the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, an assessment of compliance with land application area loading limits and related requirements, discussion of any corrective actions taken or needed, and discussion of the cropping and irrigation plan for the coming year.
- Annual U.S. Environmental Protection Agency (USEPA) Biosolids Application Reports, which is an online form that document the City's biosolids production and reuse practices for the prior year.

This proposal assumes West Yost will continue to provide services related to the development of these reports.

In addition, West Yost has been assisting the City with coordinating with the farmers that manage the land application area by reviewing the monthly land management reports under the WDRs and participating in monthly meetings. Under previous contracts with the City, West Yost's involvement with the City's monthly land management meetings and reports was limited to review of the reports generated by the City and participation in one annual kickoff meeting at the beginning of each irrigation season. However, with recent turnover of City staff, West Yost has been requested to participate in the monthly meetings with the farmers that manage the City's properties. The need for West Yost's ongoing involvement with these reviews and meetings over the next two fiscal years is uncertain. Given this uncertainty, we are assuming for this proposal that ongoing assistance and participation will be necessary.

Finally, the City submitted a report in early 2020 detailing compliance with the Groundwater Limitations of the WDRs. This was the final compliance step in a six-year schedule that was developed to allow the City time to complete an evaluation of best practicable treatment or control (BPTC) measures for the land application area and implement additional BPTCs, as needed, to allow for compliance. The Groundwater Limitations Compliance Report documented and concluded that the City is in compliance with the groundwater limitations, with the exception of impacts that occurred due to past activities near the City's compliance well WSM-2. The report also documented that existing BPTCs implemented by the City are adequately protective of the groundwater underlying the WPCF and land application area.

Following their review of the documents provided, the Regional Board could reopen the WDRs to address the City's evaluation of compliance with groundwater limitations. The Regional Board could also issue a compliance order related to the ongoing impacts observed near WSM-2. Whether the Regional Board will reopen the WDRs or issues some other compliance order during the term of this proposal is unknown. Nevertheless, based on our understanding of the issues and current Regional Board obligations, we do not think these actions are likely. Therefore, this proposal does not include specific scope and budget to accommodate a review of revised WDRs. However, tasks are included for general regulatory program management and as-needed WPCF support services that could partially accommodate support needed if the Regional Board chooses to reopen the WDRs and/or issue some other compliance order related to the City's groundwater studies.

General WRRs and Recycled Water NOA

The City completed construction of a tertiary storage pond in late 2019, and storage of disinfected tertiary recycled water in the new storage pond is permitted under the General WRRs and the Recycled Water NOA. The Recycled Water NOA also permits a proposed recycled water Fill Station at the WPCF. The Recycled Water NOA was issued in December 2018 and does not have an expiration date. Renewal or revisions to the Recycled Water NOA and General WRRs are not anticipated to occur during FY 20/21 and 21/22.

The Recycled Water NOA has limited monitoring and reporting requirements related to the tertiary pond operations. West Yost assisted the City under the current contract in developing a template for the annual report that is required. It is anticipated that the City would need only very limited assistance, if any, with these ongoing requirements.

The monitoring and reporting requirements under the Recycled Water NOA would be increased if the City were to construct a Fill Station and implement an off-site recycled water use program. However, those actions are not anticipated to occur during the term of this project. The scope and fee estimate provided in this proposal therefore do not include support services related to the development of and/or permit compliance for an off-site recycled water use program.

Dredger Cut Water Rights Reporting

The City maintains a License Number for Diversion and Use of Water, Permit Number 7424/License Number 3906. This license allows for 5.84 cubic feet per second to be diverted each year from Dredger Cut for irrigation and stock-watering uses. The specified "Place of Use" under this permit is an approximately 400-acre portion of the City-owned agricultural fields that is comprised of Fields 5A through 5D and 6A through 6D.

The City submits annual Licensee Reports to the State Water Board to document diversions from Dredger Cut or other in-lieu water use on the Place of Use fields. These in-lieu uses have included irrigation with recycled water and groundwater. Since 2013, the City has relied on recycled water and groundwater for irrigation in lieu of diverting water from Dredger Cut.

A licensed water right can be revoked after a long enough period of non-use (typically at least five years). Under Water Code section 1010, the water user's licensed right is protected from revocation where water use reductions are due to the use of recycled water - but only to the extent of the recycled water use. Therefore, the City's continued reporting of in-lieu use is critical for protecting the City's right for diversions.

The volume of water applied to the designated Place of Use is typically only a portion of the City's total available under the diversion license. However, because the Place of Use only represents a portion of the total land application area, the City's overall irrigation water demands are much more significant than the reported in-lieu amounts. Moreover, the City's irrigation system is not configured to limit irrigation water applications to only the Place of Use. Therefore, even if a diversion were to occur, it would be difficult to limit irrigation to only this area. For these reasons, the City is recommended to seek a change in Place of Use so that the entire City-owned irrigation area is considered for in-lieu water use. The scope of services includes support related to this effort.

MAJOR ASSUMPTIONS

The City will be responsible for completing any sampling needed to achieve the objectives of the tasks outlined in the scope of services, and that the City will contract directly with a certified laboratory for completing any necessary analytical efforts. Under the Regulatory Program Management task described herein, West Yost will provide support for coordinating any necessary sampling and analysis efforts with other regulatory needs.

To ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost Quality Assurance/Quality Control policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products.

Significant CEQA work will not be required to support the Change Petition and significant protests will not be filed in response to the submitted Change Petition.

The State Water Board will approve the Change in Place of Use, and ongoing support to the City with respect to reporting recycled water applied to the existing Place of Use will not be required beyond FY 20/21.

SCOPE OF SERVICES

Phase 1

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 20/21. The following specific tasks are identified:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination
- Task 1.4 Groundwater Reporting Support
- Task 1.5 NOA Adoption Support
- Task 1.6 Place of Use Change Petition Support
- Task 1.7 As-Needed WPCF Support Services

Task 1.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

Task 1.1 Deliverables: Monthly invoices and descriptions of services performed will be provided in PDF format.

Task 1.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 20/21. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Supporting the City to respond to mercury monitoring and reporting requirements required as part of the Regional Board's mercury Total Maximum Daily Load effort.

7. Completing reviews of collected monitoring data to identify potential future regulatory concerns.
8. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
9. Attending and preparing for meetings to discuss the results of regulatory program management activities.
10. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
11. Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 1.2 Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff when services under this task are required.

Task 1.3 Land Application Monitoring Coordination

This task involves providing the following services:

- Review the 2020 land application monitoring data and development of the 2020 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2021.
- Prepare the online 2020 Annual Biosolids Application Report, which is due to the USEPA by February 19, 2021, and will need to be certified and submitted by City staff.
- Review of the monthly land application reports under the WDRs completed for the months of June 2020 through May 2021.
- Participation in an annual land management kickoff meeting in early 2021 to discuss planned annual operations and up to nine monthly meetings between July 2020 and June 2021 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.

Task 1.3 Deliverables: Draft and Final 2020 Annual Land Management Reports and Draft 2020 Annual Biosolids Application Report. All documents will be provided in an electronic PDF format.

Draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.

Task 1.4 Groundwater Reporting Support

West Yost's efforts during FY 20/21 will include support with developing the Quarterly Groundwater Monitoring Reports for Third Quarter 2020 through Second Quarter 2021 and the 2020 Annual Groundwater Monitoring Report.

For the Quarterly Groundwater Monitoring Reports, West Yost will develop quarterly groundwater elevation contour maps using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions. It is assumed the City will incorporate this information in the Quarterly Monitoring Reports submitted to the Regional Board.

For the 2020 Annual Groundwater Monitoring Report, West Yost will prepare statistical analyses of 2020 groundwater quality data and the 2020 Annual Background Groundwater Quality Evaluation, like previous years. The information will be included in a Groundwater Evaluation Report that is intended to be attached to the Annual Groundwater Monitoring Report developed by the City. To the extent necessary, these reports will document compliance actions taken or corrective actions recommended with respect to groundwater limitation compliance.

Task 1.4 Deliverables: Four figures depicting the contour information to be included in the Quarterly Groundwater Monitoring Reports for Third Quarter 2020 through Second Quarter 2021. Four emails, provided quarterly along with the contour maps, discussing seasonal trends and comparison to previous groundwater flow directions.

Groundwater Evaluation Report summarizing the statistical analyses and compliance/corrective actions to be included as attachments to the 2020 Annual Groundwater Monitoring Report prepared by City staff.

The maps and Groundwater Evaluation Report will be provided in an electronic PDF format.

Task 1.5 NOA Adoption Support

West Yost will review the Draft NOA for errors or concerns relative to the City's current permit and other recent, similar permits issued by the Regional Board. West Yost will prepare a list of suggested comments for City consideration and participate in a conference call with City staff to discuss the suggested comments. Following this discussion, West Yost will prepare a draft comment document for City staff review. Following this review, West Yost will prepare a final comment document for City submission to the Regional Board. It is assumed that comments on the Draft NOA, if any, will be minor and can be addressed in a letter from the City to the Regional Board.

West Yost will also participate in discussions with Regional Board staff, as needed, to discuss the NOI submission and/or City comments. It is difficult to predict the level of effort that will be needed to respond to Regional Board requests and review and respond to the draft permit, so the scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time-and-materials basis, and monthly invoices will detail

the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be warranted in the future. Conversely, if the estimated fee is not expended in the timeframe anticipated for this scope of work, it may be directed toward the completion of other efforts.

Task 1.5 Deliverables: One (1) electronic copy (in PDF format) of the list of suggested comments on the Draft NOA; One (1) electronic copy (in PDF format) of the draft NOA comment document; One (1) electronic copy (in MS Word format) of the NOA comment document to be printed on City letterhead and submitted to the Regional Board.

Task 1.6 Place of Use Change Petition Support

This task involves preparing a Place of Use Change Petition for State Water Board review. The purpose of the petition will be to request an expansion of the City's Place of Use for water diverted from Dredger Cut under the existing License for Diversion. This documentation includes a completed Change Petition and Environmental Information forms and a cover letter. Support from our legal subconsultant SSD will also be needed for this task, and budget for SSD has been included for these efforts.

Two conference calls with West Yost, SSD, and City staff are also included in this task. One call would precede the other work on this task and be focused on discussing the strategy and overall approach/timeline. The second call would be following submittal of draft Place of Use Change Petition to the City to discuss City comments before finalizing.

One meeting with West Yost, City, SSD and State Water Board staff is also assumed following submission of the Place of Use Change Petition.

Task 1.6 Deliverables: Draft and Final Change Petition and Environmental Information forms in electronic PDF format and draft Cover Letter in MS Word format for City finalization.

Task 1.7 As-Needed WPCF Support Services

The City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 1.7 Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff if and when services under this task are required.

Phase 2

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 21/22. The following specific tasks are identified:

- Task 2.1 Project Management
- Task 2.2 Regulatory Program Management
- Task 2.3 Land Application Monitoring Coordination
- Task 2.4 Groundwater Reporting Support
- Task 2.7 As-Needed WPCF Support Services

Tasks for NOA Adoption Support and Place of Use Change Petition Support are not expected to be needed for Phase 2, as they will be completed as part of the Phase 1 efforts.

Task 2.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be included with monthly invoices.

Task 2.1 Deliverables: Monthly invoices and descriptions of services performed will be provided in PDF format.

Task 2.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 21/22. Assistance under this task may include, but is not limited to, the following items:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Supporting the City to respond to mercury monitoring and reporting requirements required as part of the Regional Board's mercury Total Maximum Daily Load effort.
7. Completing reviews of collected monitoring data to identify potential future regulatory concerns.

Task 2.4 Groundwater Reporting Support

West Yost's efforts during FY 21/22 will include support with developing the Quarterly Groundwater Monitoring Reports for Third Quarter 2021 through Second Quarter 2022 and the 2021 Annual Groundwater Monitoring Report.

For the Quarterly Groundwater Monitoring Reports, West Yost will develop quarterly groundwater elevation contour maps using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions. It is assumed the City will incorporate this information in the Quarterly Monitoring Reports submitted to the Regional Board.

For the 2021 Annual Groundwater Monitoring Report, West Yost will prepare statistical analyses of 2021 groundwater quality data and the 2021 Annual Background Groundwater Quality Evaluation, like previous years. The information will be included in a report that is intended to be attached to the Annual Groundwater Monitoring Report developed by the City. To the extent necessary, these reports will document compliance actions taken or corrective actions recommended with respect to groundwater limitation compliance.

Task 2.4 Deliverables: Four figures depicting the contour information to be included in the Quarterly Groundwater Monitoring Reports for Third Quarter 2021 through Second Quarter 2022. Four emails, provided quarterly along with the contour maps, discussing seasonal trends and comparison to previous groundwater flow directions.

Groundwater Evaluation Report summarizing the statistical analyses and compliance/corrective actions to be included as attachments to the 2021 Annual Groundwater Monitoring Report prepared by City staff.

The maps and Groundwater Evaluation Report will be provided in an electronic PDF format.

Task 2.7 As-Needed WPCF Support Services

The City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 2.7 Deliverables: Deliverables for this task are dependent on the effort required, which cannot be accurately estimated at this time. Therefore, West Yost will coordinate deliverables for this task with the City staff if and when services under this task are required.

ESTIMATED FEE

The estimated total fee for the scope of work described above is provided in Table 1, including subtotals for each of the two phases and estimated fees by task. West Yost will perform all work on an hourly basis at standard company charge rates and will not exceed the estimated cost without written authorization. Attachment A provides West Yost's 2020 charge rate schedule.

If additional budget is required to complete work identified herein, West Yost will request City authorization prior to exceeding the budget.

Table 1. Estimated Fee for FY 20/21 and FY 21/22 Regulatory Support, dollars			
Task	West Yost Fee, dollars	SSD Fee, dollars	Total Fee, dollars
Phase 1			
Task 1.1 Project Management	3,800	-	3,800
Task 1.2 Regulatory Program Management	12,500	2,500	15,000
Task 1.3 Land Application Monitoring Coordination	33,400	-	33,400
Task 1.4 Groundwater Reporting Support	15,300	-	15,300
Task 1.5 NOA Adoption Support	9,400	-	9,400
Task 1.6 Water Rights Reporting Support	15,400	6,500	21,900
Task 1.7 As-Needed WPCF Support Services	12,500	-	12,500
Subtotal for Phase 1 Tasks	\$102,300	\$9,000	\$111,300
Phase 2			
Task 2.1 Project Management	3,900	-	3,900
Task 2.2 Regulatory Program Management	12,900	2,500	15,400
Task 2.3 Land Application Monitoring Coordination	34,400	-	34,400
Task 2.4 Groundwater Reporting Support	15,800	-	15,800
Task 2.7 As-Needed WPCF Support Services	12,900	-	12,900
Subtotal for Phase 2 Tasks	\$79,900	\$2,500	\$82,400
Total for Phases 1 and 2	\$182,200	\$11,500	\$193,700

SCHEDULE

The time period for this project is defined as July 1, 2020, through June 30, 2021, for Phase 1 and July 1, 2021, through June 30, 2022, for Phase 2. Work will begin upon notice to proceed from the City. Phase 1 will be completed by June 30, 2021, and Phase 2 will be completed by June 30, 2022. All work will be performed in a timely manner in accordance with the City's permit requirements. Each major deliverable will be prepared on a schedule that provides City staff with at least two weeks for review and comment.

Mr. Lance Roberts
May 26, 2020
Page 14

West Yost appreciates the opportunity to provide additional permitting services to the City. Please contact Kathryn Gies or Charles Hardy if you have any questions or need additional information.

Sincerely,

WEST YOST ASSOCIATES



Kathryn E. Gies, PE,
RCE #65022
Engineering Manager

cc: Charles Hardy
West Yost Associates

Attachment A: West Yost Associates 2020 Billing Rate Schedule

ATTACHMENT A
West Yost Associates 2020 Billing Rate Schedule

2020 Billing Rate Schedule

(Effective January 1, 2020 through December 31, 2020) *

POSITIONS	LABOR CHARGES (DOLLARS PER HR)
ENGINEERING	
Principal/Vice President	\$298
Engineering/Scientist/Geologist Manager I / II	\$283 / \$295
Principal Engineer/Scientist/Geologist I / II	\$257 / \$272
Senior Engineer/Scientist/Geologist I / II	\$230 / \$241
Associate Engineer/Scientist/Geologist I / II	\$198 / \$212
Engineer/Scientist/Geologist I / II	\$160 / \$185
Engineering Aide	\$92
Administrative I / II / III / IV	\$81 / \$102 / \$123 / \$135
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$291 / \$294
Principal Tech Specialist I / II	\$268 / \$279
Senior Tech Specialist I / II	\$245 / \$256
Senior GIS Analyst	\$224
GIS Analyst	\$211
Technical Specialist I / II / III / IV	\$156 / \$178 / \$200 / \$223
Cross Connection Specialist I / II / III / IV	\$117 / \$127 / \$143 / \$159
CAD Manager	\$178
CAD Designer I / II	\$138 / \$155
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$289
Construction Manager I / II / III / IV	\$174 / \$186 / \$198 / \$251
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$152 / \$169 / \$188 / \$196
Apprentice Inspector	\$138
CM Administrative I / II	\$74 / \$99
Field Services	\$196

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- Mileage will be billed at the current Federal Rate and Travel will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2020 Billing Rate Schedule (continued)

(Effective January 1, 2020 through December 31, 2020) *

Equipment Charges

EQUIPMENT	BILLING RATES
Gas Detector	\$80/day
Hydrant Pressure Gauge	\$10/day
Hydrant Pressure Recorder, Standard	\$40/day
Hydrant Pressure Recorder, Impulse (Transient)	\$55/day
Trimble GPS – Geo 7x	\$220/day
Vehicle	\$10/hour
Water Flow Probe Meter	\$20/day
Water Quality Multimeter	\$185/day
Well Sounder	\$30/day

Signature: Janice D. Magdich
Janice D. Magdich (Sep 1, 2020 10:15 PDT)

Email: jmagdich@lodi.gov

Signature: 
Steve Schwabauer (Sep 1, 2020 10:53 PDT)

Email: sschwabauer@lodi.gov

* This schedule is updated annually



Exhibit 2 to Amendment No. 5

May 30, 2024

1001 Galaxy Way
Suite 310
Concord CA 94520

925.949.5800 phone
530.756.5991 fax
westyost.com

SENT VIA: EMAIL

Mr. Lance Roberts
Utilities Manager
City of Lodi
Public Works Department
Lodi, CA 95240

SUBJECT: Proposal for Engineering Services – WPCF Regulatory Services for FY 24/25 and FY 25/26

Mr. Roberts:

West Yost appreciates the opportunity to present to the City of Lodi (City) this letter proposal for ongoing engineering services related to assisting the City in meeting permitting requirements for the City's White Slough Water Pollution Control Facility (WPCF). The scope of work described in this letter proposal is intended to cover regulatory related support efforts anticipated to be needed during Fiscal Year 2024/2025 (FY 24/25) and Fiscal Year 2025/2026 (FY 25/26) for the WPCF water and biosolids discharges that are regulated by the Central Valley Regional Water Quality Control Board (Regional Board) under the following discharge permits:

- General Permit for Municipal Wastewater Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (General Permit) Order R5-2023-0025 and site-specific Notice of Applicability (NOA) R5-2017-0085-003 for coverage under the General Permit
- Waste Discharge Requirements (WDRs), Order No. R5-2007-0113-01
- NOA WQ-2016-0068-DDW-R5007 (Recycled Water NOA) for coverage under the State Water Resources Control Board's (State Water Board's) Order WQ 2016-0068-DDW Waste Reclamation Requirements for Recycled Water Use (General WRRs)

The Scope of Work and Fee Estimate provided in this proposal have been divided into two phases, one for each of the fiscal years covered. It is understood that the City may authorize services for either both years together and each year separately.

The remainder of this proposal is organized around the following sections:

- Project Understanding
- Major Assumptions
- Scopes of Services
- Estimated Fee
- Schedule

PROJECT UNDERSTANDING

This section presents our team's understanding and approach to the proposed work under the following topics:

- General Permit and NOA for Surface Water Discharge
- WDRs for Land Application
- WDRs Update
- Monitoring Well Network Modifications
- Nanobubble Pilot Support

General Permit and NOA for Surface Water Discharge

The General Permit and site-specific NOA Order No. R5-2017-0085-003 apply to the City's discharge of disinfected tertiary effluent to Dredger Cut. The NOA was issued under the previous (2017) version of the General Permit. With issuance of the new General Permit in July 2023, the Regional Board clarified that NOAs under the previous General Permit remain in effect, and a new Notice of Intent (NOI) permit application is not required until one of the following occurs:

- the due date for the NOI as specified in the existing NOA
- three years from the effective date of the 2023 General Permit
- an earlier date as specified by the Executive Officer or if there are any modifications to the facility and/or discharge as described in the NOA

The current NOA lists an NOI date of April 1, 2023. Accordingly, the City submitted an NOI package in March 2023, and the current NOA remains in effect as of May 2024.

WDRs for Land Application

The WDRs were adopted in 2013 and do not have an expiration date. The WDRs apply to the following WPCF operations:

- Storage and land application of undisinfected, secondary effluent on City-owned agricultural properties;
- Storage and land application of industrial process flows, which include seasonal food processing flows from Pacific Coast Producers, entering the WPCF via the industrial wastewater sewer system;
- Biosolids land application on City-owned agricultural properties; and,
- Supply of disinfected tertiary recycled water to the Northern California Power Agency and San Joaquin County Mosquito and Vector Control District.

In addition, the City also currently has the separate Recycled Water NOA under the General WRRs for the operations of a tertiary storage pond constructed in late 2019. The Regional Board permitted this pond under the Recycled Water NOA to avoid reopening the WDRs.

Most of the services described in this proposal are related to the WDRs and Recycled Water NOA. The specific efforts include:

- Monitoring and Reporting Assistance
- Land Management Support
- Groundwater Compliance Support

Monitoring and Reporting Assistance

West Yost has historically assisted with development of, or completed on the City's behalf, routine monitoring reports required under the WDRs. These include:

- Monthly land management reports
- Quarterly groundwater contour maps
- Annual Monitoring Reports for groundwater
- Annual Cropping and Irrigation Reports
- Annual U.S. Environmental Protection Agency (USEPA) Biosolids Application Reports

West Yost understands that the City will require continued support related to the development of these reports.

Land Management Support

West Yost has been assisting the City with coordinating with the farmers that manage the land application area. In recent years, West Yost has been preparing the monthly reports and participating in monthly meetings with the farmers and City staff. For purposes of this proposal, it is assumed that West Yost will provide ongoing involvement with these reports and meetings over the next two fiscal years.

Groundwater Compliance Support

West Yost has been assisting the City with evaluating the groundwater beneath the WPCF land application area to document compliance with the WDRs related to groundwater quality protection. The City submitted a report in early 2020 detailing compliance with the Groundwater Limitations of the WDRs. This was the final compliance step in a six-year schedule that was developed to allow the City time to complete an evaluation of compliance and whether the existing best practicable treatment or control (BPTC) measures for the land application area are appropriate. The Groundwater Limitations Compliance Report documented and concluded that the City is in compliance with the groundwater limitations, with the exception of impacts that occurred due to past activities near the City's compliance well WSM-2. The report also documented that existing BPTCs implemented by the City are adequately protective of the groundwater underlying the WPCF and land application area. The most recent Annual Background Groundwater Quality Evaluation completed in January 2024 continued to support the conclusions of the Groundwater Limitations Compliance Report and did not recommend any additional BPTCs.

WDRs Update

This proposal includes tasks to assist the City through an updated WDRs adoption process, which is assumed to occur during FY 24/25. However, the timeline for these efforts could extend into FY 25/26 or beyond.

Purpose of WDRs Modification

As noted above, the WDRs were last issued in 2013 and do not have an expiration date. However, the majority of the text and requirements in the current WDRs were originally developed in 2007. Therefore, the current WDRs generally reflect Regional Board permit requirements from about 15 years ago. Recent land discharge permits issued by the Regional Board include more streamlined discharge requirements than the City's current WDRs, including monitoring and reporting requirements. Modifying the City's WDRs to include these streamlined approaches would provide greater flexibility for WPCF staff in operating the land application activities and improve the ability for the City to demonstrate compliance with permit requirements. These changes would include removing the hydraulic loading limitations and allowing for water quality loading limits to be evaluated as an average over several fields.

Updating the WDRs will also allow for simplification of the City's monitoring and reporting program as the reporting requirements related to the tertiary pond will be incorporated into the renewed WDRs – eliminating the need for redundant reporting.

The current WDRs also include a compliance schedule for the City to comply with the groundwater limitations in the permit, and the City has completed the required action items of this compliance schedule. With the proposed renewal of the WDRs, the Regional Board should address the City's evaluation of compliance with groundwater limitations and/or issue a compliance order related to the ongoing impacts observed near WSM-2. At a minimum, the completed compliance schedule should be removed from the WDRs. At this time the Regional Board is not anticipated to include more stringent groundwater-related requirements in the revised WDRs. Therefore, this proposal does not include specific scope and budget to address support related to additional groundwater limitations or requirements. However, tasks are included for general regulatory program management and as-needed WPCF support services that could partially accommodate limited support, if needed.

Finally, the City is in the process of evaluating a potential recycled water discharge to a new NCPA facility that will result in changes to how the land application system is operated. These planned/potential changes will be described in the WDRs modification request so that the new operations are permitted through the renewed WDRs. Requesting a permit for this modification now will allow the City to fast track this potential operational change over the next few years.

The City and West Yost staff met with Regional Board permitting staff in August 2021 to discuss potential modifications to the WDRs, and what process would be needed to obtain a revised permit. The Regional Board staff were amenable to the proposed modifications and recommended that the City prepare a permit application (Report of Waste Discharge, or ROWD), the last of which was submitted to the Regional Board in 2012.

Under our current contract, West Yost is in the process of finalizing the ROWD, which we expect to submit to the Regional Board by the end of June 2024 (i.e. by the end of FY 23/24).

Permit Adoption Process

The Regional Board is expected to issue two permit drafts based on the information received in the ROWD. The first draft will be a non-public Administrative Draft Order for City review, the second draft will be a Tentative Draft Order issued for public review. It is in the interest of the City to thoroughly review these draft documents and prepare comments, particularly on issues that can impact long-term WQCF operations and costs. Based on West Yost's experience, critical permit changes need to be made during the Administrative Draft Order phase, because once the Tentative Draft Order is made public, Regional Board staff are more reluctant to make significant changes.

The Regional Board staff are expected to provide a 30-day review period for the Administrative Draft Order. The Tentative Draft Order by statute also has a 30-day review period. West Yost has successfully negotiated permit terms during the Administrative Draft Order phase leaving the Tentative Draft Order review phase to be a fairly simple effort. However, there are several unique conditions associated with the City's land discharge permit, and it is difficult to predict at this time the level of effort needed to support review of the Administrative Draft Order and Tentative Draft Order. Moreover, there is a possibility that more than one Administrative Draft Order and Tentative Draft Order will need to be issued. Therefore, the work related to the permit review tasks will be limited to the hours identified in this proposal.

Based on West Yost's experience working with Central Valley dischargers on WDRs renewals for land application sites, it is expected that the new WDRs will be formally adopted by the Regional Board as a consent item – meaning there will be no discussion of the WDRs at the Board meeting. If any significant issues are identified that result in the City or other parties contesting the adoption of the new WDRs, however, there will be a formal hearing by the Regional Board for the WDRs adoption. Work related to a permit hearing may include preparing supplemental information to support the agency with their contest of the permit, preparing responses to other parties that have contested the permit, and preparation of these materials for presentation at the Regional Board hearing. The current proposal does not include support specifically related to a permit hearing. However, as noted previously, tasks are included for general regulatory program management and as-needed WPCF support services that could potentially accommodate support related to a permit hearing.

Monitoring Well Network Modifications

In addition to updating information in the WDRs, there are desired changes to the City's monitoring well network. The City's monitoring well network consists of eleven compliance wells and three background wells. This network is relatively extensive compared to other similar agencies conducting land application of recycled water and biosolids. Routine groundwater elevation and water quality data has been collected from all these wells since 2008 – over 10 years – and some even as far back as 1998 – over 20 years. Several of these existing wells do not provide information that is informative with respect to groundwater compliance and can be removed from the monitoring well network. These include wells WSM-2, WSM-10, WSM-10, WSM-11, WSM-13, WSM-19, RMW-2 and RMW-3.

To support these changes, the City would need to submit a Monitoring Well Destruction Work Plan to the Regional Board, which is assumed to occur early in FY 24/25. Implementation of the monitoring well destruction can be initiated after receiving the Regional Board's approval and when weather conditions allow. Following implementation, a Monitoring Well Destruction Report will need to be prepared and submitted to the Regional Board to meet a State requirement to document monitoring well destructions. This proposal therefore includes a task in FY 24/25 to prepare the Work Plan and complete related engineering services.

Nanobubble Pilot Support

West Yost has also been assisting the City with evaluating use of nanobubble addition upstream of the WPCF primary clarification process to potentially enhance nitrogen removal through the secondary treatment system, as well as provide other ancillary benefits. Based on recent discussions with City staff, the City will continue use of the nanobubble system for at least one more year that corresponds roughly with FY 24/25. Some effort is expected to be needed for West Yost staff to continue the analysis of the nanobubble impacts. Such effort would be included in the scope for FY 24/25 under the regulatory program management task.

MAJOR ASSUMPTIONS

Major assumptions pertinent to more than one task of this project are detailed below:

- West Yost will rely on the support from Somach Simmons and Dunn (SSD), an environmental law firm that specializes in serving California permittees on discharge permit issues, should the need arise, as with our previous regulatory support services contracts with the City. A nominal budget has been included under the Regulatory Program Management tasks for SSD assistance.
- The City will continue to contract separately with Robertson Bryan, Inc. for support related to toxicity or temperature study efforts, consistent with West Yost's current contract. Therefore, this proposal does not include significant support related to these efforts. The City has not had recent toxicity issues under the NOA, but ongoing toxicity support may be needed during term of the new contract.
- The City will be responsible for completing any sampling needed to achieve the objectives of the tasks outlined in the scope of services, and the City will contract directly with a certified laboratory for completing any necessary analytical efforts. Under the Regulatory Program Management tasks described herein, West Yost will provide support for coordinating any necessary sampling and analysis efforts with other regulatory needs.

Additional assumptions specific to each task are also included with the scope of services.

SCOPE OF SERVICES

Phase 1

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 24/25 (Phase 1). As described further below, the key tasks necessary to perform this scope of services are as follows:

- Task 1.1 Project Management
- Task 1.2 Regulatory Program Management
- Task 1.3 Land Application Monitoring Coordination and Reporting
- Task 1.4 Groundwater Reporting Support
- Task 1.5 WDRs Adoption Support
- Task 1.6 Monitoring Well Network Modifications
- Task 1.7 As Needed WPCF Support Services

Task 1.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

This task also includes a Kickoff Meeting at the beginning of FY 24/25 to discuss the scope of services, data needed by West Yost to complete the scope of services, and any specific concerns City staff have with the current discharge/reuse permits. West Yost will develop a draft agenda for the kickoff meeting and provide a follow-up email with agreed-upon actions items.

In addition, to ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost Quality Assurance/Quality Control (QA/QC) policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products. This task includes coordination of these QA/QC efforts.

Task 1.1 Deliverables

- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.
- West Yost will prepare a draft meeting agenda in MS Word format prior to the Kickoff Meeting.
- West Yost will provide an email summarizing action items from the Kickoff Meeting within one week of the meeting.

Task 1.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 24/25. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.
6. Completing reviews of collected monitoring data to identify potential future regulatory concerns, such as for PFAS (Per- and Polyfluoroalkyl Substances) in wastewater effluent, biosolids and groundwater underlying the WPCF.
7. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
8. Attending and preparing for meetings to discuss the results of regulatory program management activities.
9. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
10. Providing minor assistance to the City for analyzing data related to nanobubble system operation.
11. Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope, the task budget may also be directed toward the completion of other efforts.

Task 1.2 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services under this task are requested.

Task 1.3 Land Application Monitoring Coordination and Reporting

West Yost's efforts during FY 24/25 will include the following services:

- Review the 2024 land application monitoring data and development of the 2024 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2025. This report will summarize the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, provide an assessment of compliance with land application area loading limits and related requirements, discuss any corrective actions taken or needed, and discuss the cropping and irrigation plan for the coming year.
- Prepare the online 2024 Annual Biosolids Application Report, which is an online form that documents the City's biosolids production and reuse practices for the prior year and is due to the USEPA by February 19, 2025.
- Prepare up to twelve monthly land application reports required under the WDRs for the months of June 2024 through May 2025.
- Participate in an annual land management kickoff meeting in early 2025 to discuss planned annual operations and up to nine monthly meetings between July 2024 and June 2025 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.
- Complete an analysis of appropriate biosolids application by field and coordination with the City agronomist and farmers for the Fall 2024 and Spring 2025 biosolids application on the land application areas.
- Prepare quarterly tertiary pond reports required under Recycled Water NOA for Second Quarter 2024 through First Quarter 2025.
- Prepare annual report on 2024 tertiary pond activities required under the Recycled Water NOA and due to the Regional Board by April 1, 2025.

Task 1.3 Assumption

- The farmers/agronomist will provide the City/West Yost a list of fields proposed for biosolids application at least two weeks prior to each planned application event.

Task 1.3 Deliverables

- West Yost will prepare a draft and final 2024 Annual Land Management Reports and Draft 2024 Annual Biosolids Application Report in PDF format.
- West Yost will prepare draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.
- West Yost will prepare draft and final monthly land application reports in PDF format.
- West Yost will prepare emails with recommended biosolids applications (fall and spring).
- West Yost will prepare draft and final tertiary pond quarterly reports in PDF format.
- West Yost will prepare a draft and final tertiary pond annual report in PDF format.

Task 1.4 Groundwater Reporting Support

West Yost's efforts during FY 24/25 will include development of the following:

- **Quarterly Self-Monitoring Reports for Second Quarter 2024 through First Quarter 2025:** These efforts will include coordination with City staff for the respective data and information, compilation of attachments and development of draft cover letter for each report.

- **Quarterly groundwater elevation contour maps:** These are part of the Quarterly Self-Monitoring Reports and will be developed using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions.
- **2024 Annual Groundwater Evaluation Report:** This effort includes a statistical analysis of 2024 groundwater quality data, a determination of compliance with the groundwater limitations for each constituent monitored and compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed. The Groundwater Evaluation Report is intended to be attached to the Annual Report under the WDRs developed by the City.

Task 1.4 Assumption

- The City will prepare the additional elements of the Annual Report beyond the Annual Groundwater Evaluation Report.

Task 1.4 Deliverables

- West Yost will prepare draft and final quarterly reports, including figures depicting the quarterly groundwater contour information, for Third Quarter 2024 through Second Quarter 2025, in PDF format.
- West Report will prepare an Annual Groundwater Evaluation Report summarizing the statistical analysis and compliance/corrective actions in PDF format, to be incorporated into the City's Annual Report.

Task 1.5 WDRs Adoption Support

West Yost will complete a review of the Administrative Draft Order and Tentative Draft Order. These reviews will include a thorough read-through the orders for errors or concerns relative to the City's current permit and other recent, similar permits issued by the Regional Board and development of a comment document on the City's behalf.

The Regional Board staff are expected to provide a 30-day review period for the Administrative Draft Order and A 30-day review period will be provided for the Tentative Draft Order. The following procedure outlines our strategy and scope for developing a comprehensive comment letter on these orders in that limited timeline:

- West Yost will develop a table summarizing all suggested comments within 10 days of receiving the Draft Order.
(Cumulative Time Passed: 10 days)
- Within three days of submitting this list to the City, West Yost will meet with City staff to discuss the suggested comments and obtain input regarding any City comments.
(Cumulative Time Passed: 13 days)
- West Yost will develop a draft comment document for City review within five days of the City meeting, ensuring the document is submitted to the City within three weeks of receiving the Draft Order. The comment document will be prepared as a stand-alone document for attachment to a City cover letter.
(Cumulative Time Passed: 18 days)

- The City will have five days to review the comment document.
(Cumulative Time Passed: 23 days)
- West Yost will develop a screen-check version within two days of receiving City comments.
(Cumulative Time Passed: 25 days)
- City review and finalization of the comment document and cover letter will then need to be completed and the documents submitted within five days.
(Cumulative Time Passed: 30 days)

It is expected that at least one meeting with Regional Board staff will be needed to discuss the City's comments on the Administrative Draft Order and one meeting to discuss City comments on the Tentative Draft Order. Additional meetings, if needed, would be accommodated under the Regulatory Program Management task (Task 2). A preliminary draft agenda will be prepared for City staff review at least one week prior to these meetings and a draft agenda prepared and submitted to the City and Regional Board staff at least one day prior to the meeting. An email listing the significant decisions made will also be developed following the meeting to document decisions made for all meeting participants.

Given the complexity of the City's land application operations and the age of the existing land application permits, preparing comments on the Administrative Draft Order and Tentative Draft Order could require a similar level of effort. The level of effort required for this task can only be estimated prior to issuance of the Administrative Draft WDRs, so the associated fee estimate presented in this letter proposal is based on West Yost's understanding of the City's permit needs. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future.

Task 1.5 Assumptions

- During review and negotiation of the new WDRs, West Yost may identify the need for the City to enlist the assistance of legal counsel in evaluating legal issues with the wastewater discharge permit. West Yost will work with the City to identify an appropriate support team for these efforts. If needed, legal support services could be procured through the West Yost contract and billed under the Regulatory Program Management task (Task 2).

Task 1.5 Deliverables

- West Yost will provide a list of suggested comments on the Administrative Draft WDRs in PDF format.
- West Yost will provide a draft and final comment documents on the Administrative Draft WDRs in PDF format.
- West Yost will provide preliminary draft meeting agenda in MS Word format and draft meeting agenda in PDF format for two meetings with the Regional Board.
- West Yost will provide an email with decisions to meeting participants.
- West Yost will prepare a list of suggested comments on the Tentative Draft WDRs in PDF format.
- West Yost will prepare a draft and final comment documents on the Tentative Draft WDRs in PDF format.

Task 1.6 Monitoring Well Network Modifications

To support adoption of the monitoring well network modifications being requested in the recent Report of Waste Discharge (ROWD), West Yost will prepare a draft Monitoring Well Destruction Work Plan (Work Plan) for City review and submission to the Regional Board. This task includes a Kickoff Meeting to discuss

work to be completed. West Yost will develop a draft agenda for the meeting and provide a follow-up email with agreed-upon actions items.

It is anticipated the Work Plan will be submitted to the Regional Board by late 2024, so that the changes can be incorporated into the new WDRs and MRP. It is assumed that within a few weeks of submitting the Work Plan a meeting with Regional Board staff will be needed to present and discuss the Work Plan with the goals of attaining approval of the Work Plan and incorporating the City's recommended monitoring network wells in the new WDRs and MRP. This task also includes a Work Plan review meeting to discuss City's comments on the draft Work Plan.

Implementation of the monitoring well destruction should be initiated after receiving the Regional Board's approval and when weather conditions allow. Well destruction costs are not included in this proposal. However, these costs are outlined in a Monitoring Well Network Recommendations Technical Memorandum prepared for the City recently as an appendix to the ROWD. The well destruction is assumed to begin during FY 24/25.

West Yost will prepare technical specifications for the Work Plan and provide support during bidding and contractor selection. It is assumed the City will publicly bid for contractor services and select and hire a well destruction contractor. West Yost will also provide hydrogeologic services during well destruction. It is assumed all wells identified for destruction in the ROWD will be destroyed in a single mobilization.

Following installation, West Yost will prepare a draft Monitoring Well Destruction Report for City review and submittal to the Regional Board. It is assumed only one Monitoring Well Destruction Report will be prepared. This task also includes a meeting with the Regional Board to review the Work Plan.

Task 1.6 Assumptions

- The City will publicly bid for contractor services and select and hire a well destruction contractor. The contractor fee is not included in West Yost's proposal but is estimated to be \$62,500.
- The well destruction contractor's work will be implemented in one event. Therefore, only one Monitoring Well Destruction Report will be needed.

Task 1.6 Deliverables

- West Yost will prepare a Monitoring Well Destruction Work Plan.
- West Yost will prepare a Monitoring Well Destruction Report.
- West Yost will prepare a draft meeting agenda in MS Word format prior to the Kickoff Meeting.
- West Yost will provide an email summarizing action items from the Kickoff Meeting within one week of the meeting.

Task 1.7 As-Needed WPCF Support Services

During FY 24/25, the City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget

amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 1.7 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services are requested.

Phase 2

The following scope of services defines anticipated efforts related to ongoing assistance in meeting the compliance requirements for the WPCF through FY 25/26 (Phase 2). As described further below, The key tasks necessary to perform this proposed scope of services are as follows:

- Task 2.1 Project Management
- Task 2.2 Regulatory Program Management
- Task 2.3 Land Application Monitoring Coordination and Reporting
- Task 2.4 Groundwater Reporting Support
- Task 2.5 As-Needed WPCF Support Services

Task 2.1 Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices. Under this task, brief descriptions of services performed will be developed and included with monthly invoices.

In addition, to ensure continued achievement of consistently high-quality work products, and in accordance with the West Yost QA/QC policy, a West Yost staff member at the Principal Engineer level or higher will review significant work products. This task includes coordination of these QA/QC efforts.

Task 2.1 Deliverables

- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.

Task 2.2 Regulatory Program Management

West Yost anticipates that the City will continue to require ongoing assistance related to understanding general regulatory compliance issues and implementing the measures needed to achieve compliance. In addition, the Regional Board may require special studies or reporting requirements with which the City may want assistance during FY 25/26. Assistance under this task may include, but is not limited to, the following services:

1. Providing assistance to the City, as needed, for developing responses to Regional Board requests.
2. Helping the City to develop monitoring programs, as appropriate.
3. Maintaining a database of regularly collected monitoring data.
4. Assistance with developing or reviewing monitoring reports required under the City's permitting program.
5. Assistance with responding to Notices of Violation or other potential compliance notifications.

6. Completing reviews of collected monitoring data to identify potential future regulatory concerns.
7. Providing support to the City and the Pacific Coast Producers in addressing food processing waste disposal issues.
8. Attending and preparing for meetings to discuss the results of regulatory program management activities.
9. Reviewing permits and other regulatory guidance documents issued by the Regional Board and State Water Board that would be applicable to the WPCF.
10. Providing minor assistance to the City for analyzing data related to nanobubble system operation.
11. Providing minor support related to the following:
 - Title 22 Issues;
 - Toxicity Reduction Evaluation efforts being completed separately; or
 - San Joaquin Valley Air Pollution Control District Biosolids Rule.

Some of the above-listed items may require support from our legal subconsultant SSD, and a small budget has been assumed and included for those efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on West Yost's knowledge of the City's current permitting concerns. The scope of work under this task will be limited to work that can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope, the task budget may also be directed toward the completion of other efforts.

Task 2.2 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services under this task are requested.

Task 2.3 Land Application Monitoring Coordination and Reporting

West Yost's efforts during FY 25/26 will include the following services:

- Review the 2025 land application monitoring data and development of the 2025 Annual Cropping and Irrigation Report due to the Regional Board by February 1, 2026. This report will summarize the monthly and annual hydraulic and nutrient loadings from recycled water and biosolids applications to the WPCF land application area for the prior year, provide an assessment of compliance with land application area loading limits and related requirements, discuss any corrective actions taken or needed, and discuss the cropping and irrigation plan for the coming year.
- Prepare the online 2025 Annual Biosolids Application Report, which is an online form that documents the City's biosolids production and reuse practices for the prior year and is due to the USEPA by February 19, 2026.
- Prepare the nine monthly land application reports required under the WDRs for the months of June 2025 through May 2026.

- Participate in an annual land management kickoff meeting in early 2026 to discuss planned annual operations and up to nine monthly meetings between July 2025 and June 2026 with City staff and/or the tenant farmers to discuss monthly reports and farming operations.
- Complete an analysis of appropriate biosolids application by field and coordination with the City agronomist and farmers for the Fall 2025 and Spring 2026 biosolids application on the land application areas.
- Prepare quarterly tertiary pond reports required under Recycled Water NOA for Second Quarter 2025 through First Quarter 2026.
- Prepare annual report on 2025 tertiary pond activities required under the Recycled Water NOA and due to the Regional Board by April 1, 2026.

Task 2.3 Assumption

- The farmers/agronomist will provide the City/West Yost a list of fields proposed for biosolids application at least two weeks prior to each planned application event.

Task 2.3 Deliverables

- West Yost will provide a draft and final 2025 Annual Land Management Reports and Draft 2025 Annual Biosolids Application Report in PDF format.
- West Yost will prepare draft agendas and related handouts for the farmer coordination meetings with sufficient hard copies brought to each meeting for all anticipated participants.
- West Yost will provide draft and final monthly land application reports in PDF format.
- West Yost will prepare emails with recommended biosolids applications (fall and spring)
- West Yost will prepare draft and final tertiary pond quarterly reports in PDF format.
- West Yost will provide a draft and final tertiary pond annual report in PDF format.

Task 2.4 Groundwater Reporting Support

West Yost's efforts during FY 25/26 will include development of the following:

- **Quarterly Self-Monitoring Reports for Second Quarter 2025 through First Quarter 2026:** These efforts will include coordination with City staff for respective data and information, compilation of attachments and development of draft cover letter for each report.
- **Quarterly groundwater elevation contour maps:** These are part of the Quarterly Self-Monitoring Reports and will be developed using the water level data collected by the City on a quarterly basis. These maps will document the calculated groundwater elevations and the groundwater flow direction and gradient. In addition, one to two paragraphs will be provided discussing seasonal trends, if any, and comparing the current flow direction to previous flow directions.
- **2025 Annual Groundwater Evaluation Report:** This effort includes a statistical analysis of 2025 groundwater quality data, a determination of compliance with the groundwater limitations of the WDRs for each constituent monitored and compliance well, and identification and assessment of potential groundwater limitation compliance strategies, as needed. The Groundwater Evaluation Report is intended to be attached to the Annual Report under the WDRs developed by the City.

Task 2.4 Assumption

- The City will prepare the additional elements of the Annual Report beyond the Annual Groundwater Evaluation Report.

Task 2.4 Deliverables

- West Yost will prepare a draft and Final quarterly reports, including figures depicting the quarterly groundwater contour information, for Third Quarter 2025 through Second Quarter 2026, in PDF format.
- West Yost will provide an Annual Groundwater Evaluation Report summarizing the statistical analysis and compliance/corrective actions in PDF format, to be incorporated into the City's Annual Report.

Task 2.5 As-Needed WPCF Support Services

During FY 25/26, the City may request additional support services from West Yost related to WPCF planning or design efforts or coordinating efforts between permit-related studies and other WPCF planning/design related issues. This task provides for as-needed support to the City for such efforts.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been required by the City and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 2.5 Deliverables

- West Yost will coordinate deliverables for this task with the City staff if services are requested.

ESTIMATED FEE

The estimated fee for each of the tasks described above and total estimated fee are shown in Table 1. West Yost will perform all work on an hourly basis at standard company charge rates and will not exceed the estimated cost without written authorization. Attachment A provides West Yost's 2024 charge rate schedule.

If additional budget is required to complete the Scope of Services identified herein, West Yost will request City authorization prior to exceeding the budget. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Estimated Project Fee for FY 24/25 and FY 25/26 Regulatory Support			
Task	West Yost Fee, dollars	SSD Fee, dollars	Total Fee, dollars
Phase 1			
Task 1.1 Project Management	9,500	0	9,500
Task 1.2 Regulatory Program Management	14,200	7,000	21,200
Task 1.3 Land Application Monitoring Coordination and Reporting	64,100	0	64,100
Task 1.4 Groundwater Reporting Support	28,800	0	28,800
Task 1.5 WDRs Adoption Support	59,800	0	59,800
Task 1.6 Monitoring Well Network Modifications	39,300	0	39,300
Task 1.7 As-Needed WPCF Support Services	19,900	0	19,900
Subtotal for Phase 1 (FY 24/25)	\$235,600	\$7,000	\$242,600
Phase 2			
Task 2.1 Project Management	5,900	0	5,900
Task 2.2 Regulatory Program Management	14,800	7,000	21,800
Task 2.3 Land Application Monitoring Coordination and Reporting	66,600	0	66,600
Task 2.4 Groundwater Reporting Support	29,900	0	29,900
Task 2.5 As-Needed WPCF Support Services	20,600	0	20,600
Subtotal for Phase 2 (FY 25/26)	\$137,800	\$7,000	\$144,800
Total Project Budget	\$373,400	\$14,000	\$387,400

SCHEDULE

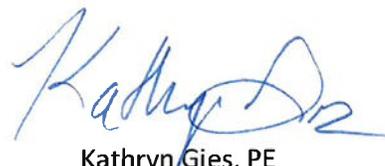
West Yost anticipates conducting a kickoff meeting with City staff within four weeks after receiving notice to proceed. Other deliverables with specific regulatory deadlines will be developed in time to provide City staff at least one week for review of draft deliverables prior to preparing final documents. The timing of the remaining deliverables, such as draft permit comments, will depend on the Regional Board and cannot be estimated at this time.

Thank you for providing West Yost the opportunity to be of continued service to the City of Lodi with permitting services for the WPCF. We look forward to working with you on this important project. Please call if you have any questions or require additional information.

Sincerely,
 WEST YOST



Charles Hardy, PE
 RCE #71015



Kathryn Gies, PE
 RCE #66022

Attachment A: West Yost 2024 Billing Rate Schedule



Attachment A

West Yost 2024 Billing Rate Schedule

2024 Billing Rate Schedule

(Effective January 1, 2024, through December 31, 2024)*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$355
Engineer/Scientist/Geologist Manager I / II	\$335 / \$351
Principal Engineer/Scientist/Geologist I / II	\$302 / \$322
Senior Engineer/Scientist/Geologist I / II	\$272 / \$286
Associate Engineer/Scientist/Geologist I / II	\$226 / \$243
Engineer/Scientist/Geologist I / II	\$176 / \$205
Engineering Aide	\$106
Field Monitoring Services	\$131
Administrative I / II / III / IV	\$97 / \$121 / \$145 / \$160
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$349 / \$351
Principal Tech Specialist I / II	\$320 / \$331
Senior Tech Specialist I / II	\$293 / \$306
Senior GIS Analyst	\$265
GIS Analyst	\$251
Technical Specialist I / II / III / IV	\$187 / \$213 / \$239 / \$267
Technical Analyst I / II	\$134 / \$160
Technical Analyst Intern	\$108
Cross-Connection Control Specialist I / II / III / IV	\$140 / \$151 / \$170 / \$189
CAD Manager	\$211
CAD Designer I / II	\$164 / \$185
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$338
Construction Manager I / II / III / IV	\$201 / \$215 / \$228 / \$289
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$181 / \$201 / \$224 / \$232
Apprentice Inspector	\$164
CM Administrative I / II	\$87 / \$118
Field Services	\$232

- Hourly rates include charges for technology and communication, such as general and CAD computer software, telephone calls, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside services, such as vendor reproductions, prints, and shipping; major West Yost reproduction efforts; as well as engineering supplies, etc., will be billed at the actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness services, research, technical review, analysis, preparation, and meetings will be billed at 150% of standard hourly rates. Expert witness testimony and depositions will be billed at 200% of standard hourly rates.
- A finance charge of 1.5% per month (an annual rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2024 Billing Rate Schedule

(Effective January 1, 2024, through December 31, 2024)*

Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$300 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Field Vehicles (Groundwater)	\$1.02 / mile
Gas Detector	\$80 / day
Generator	\$60 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Back Pack	\$135 / day
Low Flow Pump Controller	\$200 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter 300ft	\$30 / day
Precision Water Level Meter 500ft	\$40 / day
Precision Water Level Meter 700ft	\$45 / day
QED Sample Pro Bladder Pump	\$65 / day
Storage Tank	\$20 / day
Sump Pump	\$24 / day
Transducer Communications Cable	\$10 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$30 / day
Turbidity Meter (2100Q Portable)	\$35 / day
Vehicle (Construction Management)	\$10 / hour
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$50 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

Not To Exceed \$1,163,900.00