

**STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY**

In the Matter of Remedial Action by:	AGREED ORDER
Chevron U.S.A. Inc.	No. DE 15667
RE: Chevron Station #9-8944 1323 Lee Boulevard Richland, WA	

TO: ATTN: Mr. Eric Roehl
Chevron Environmental Management Company
145 South State College Blvd.
Brea, CA 92821
(714) 671-3347

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I. INTRODUCTION

The mutual objective of the State of Washington, Department of Ecology (Ecology) and Chevron U.S.A. Inc. (CUSA) (referred to as the PLP) under this Agreed Order (Order) is to provide for remedial action at a facility where there has been a release or threatened release of hazardous substances. This Order requires the PLP to complete the work described in Section VII for the site identified by Ecology as the Chevron #9-8944 Site located at 1323 Lee Boulevard in Richland, Washington (the Site). Ecology believes the actions required by this Order are in the public interest.

II. JURISDICTION

This Agreed Order is issued pursuant to the Model Toxics Control Act (MTCA), RCW 70.105D.050(1).

III. PARTIES BOUND

This Agreed Order shall apply to and be binding upon the Parties to this Order, their successors and assigns. The undersigned representative of each party hereby certifies that he or she is fully authorized to enter into this Order and to execute and legally bind such party to comply with this Order. The PLP agrees to undertake all actions required by the terms and conditions of this Order. No change in ownership or corporate status shall alter the PLP's responsibility under this Order. The PLP shall provide a copy of this Order to all agents, contractors, and subcontractors retained to perform work required by this Order, and shall ensure that all work undertaken by such agents, contractors, and subcontractors complies with this Order.

IV. DEFINITIONS

Unless otherwise specified herein, the definitions set forth in RCW 70.105D and WAC 173-340 shall control the meanings of the terms in this Order.

A. Site: The Site is referred to as "Chevron #9-8944 Site". The Site constitutes a facility under RCW 70.105D.020(8). The Site is defined by where a hazardous substance, other than a consumer product in consumer use, has been deposited, stored, disposed of, or placed, or otherwise come to be located. Based upon factors currently known to Ecology, the Site is generally

located at 1323 Lee Boulevard, Richland, Washington as shown in the Site Location Map (**Exhibit A**).

- B. Parties: Refers to the State of Washington, Department of Ecology and CUSA.
- C. Potentially Liable Person (PLP): Refers to CUSA.
- D. Agreed Order or Order: Refers to this Order and each of the exhibits to this Order.

All exhibits are integral and enforceable parts of this Order.

V. FINDINGS OF FACT

Ecology makes the following findings of fact, without any express or implied admissions of such facts by the PLP:

- A. A Chevron service station operated at the Site from 1960 until approximately 1976. Thereafter, the service station surface features were demolished and the Site was redeveloped into retail space.
- B. A release of gasoline to soil and groundwater occurred at the former Chevron service station located at 1323 Lee Boulevard, Richland, Washington, as documented in “Environmental Site Assessment, Former Chevron Service Station #9-8944”, prepared by Agra Earth & Environmental, dated October 25, 1994, as well as in subsequent investigation reports. Additional soil and groundwater investigations were conducted between 1996 and 2007 on behalf of Chevron Environmental Management Company (CEMC), a CUSA affiliate. No remediation activities have taken place at the Site in the last 24 years, based on review of Ecology’s files. Groundwater monitoring has taken place between 2000 and 2011, as documented in various monitoring reports prepared for CEMC.
- C. The most recent groundwater monitoring data in Ecology’s file from September 2011, includes an exceedance of MTCA Method A cleanup level for gasoline range-total petroleum hydrocarbons.
- D. A Site hazard assessment was performed by the Department of Ecology (Ecology) in 2014 (reported in a letter dated January 6, 2015) resulted in a Site ranking of 3, on a scale of 1

to 5. This ranking indicates a threat to human health and the environment. Cleanup of the Site is therefore required.

VI. ECOLOGY DETERMINATIONS

Ecology makes the following determinations, without any express or implied admissions of such determinations (and underlying facts) by the PLP.

- A. CUSA is an “owner or operator” as defined in RCW 70.105D.020(22) of a “facility” as defined in RCW 70.105D.020(8). By signing this Order, CUSA waives the procedural requirements of WAC 173-340-500 and, without admitting liability, accepts PLP status for the purpose of this Order.
- B. Pursuant to RCW 70.105D.030(1) and .050(1), Ecology may require PLPs to investigate or conduct other remedial actions with respect to any release or threatened release of hazardous substances, whenever it believes such action to be in the public interest. Based on the foregoing facts, Ecology believes the remedial actions required by this Order are in the public interest.
- C. Under WAC 173-340-430, an interim action is a remedial action that is technically necessary to reduce a threat to human health or the environment by eliminating or substantially reducing one or more pathways for exposure to a hazardous substance, that corrects a problem that may become substantially worse or cost substantially more to address if the remedial action is delayed, or that is needed to provide for completion of a site hazard assessment, remedial investigation/feasibility study, or design of a cleanup action plan. Any Party may propose an interim action under this Order. If the Parties are in agreement concerning the interim action, the Parties will follow the process in Section VII.D. If the Parties are not in agreement, Ecology reserves its authority to require interim action(s) under a separate order or other enforcement action under RCW 70.105D, or to undertake the interim action itself.

VII. WORK TO BE PERFORMED

Based on the Findings of Fact and Ecology Determinations, it is hereby ordered that the PLP take the following remedial actions at the Site. And that these actions must be conducted in accordance with WAC 173-340:

A. The PLP will perform works in accordance with the schedule and terms of the Scope of Work and Schedule, **Exhibit B**, and all other requirements of this Order. The following naming conventions shall be used for documents: Agency Review Draft (designation for the first time Ecology receives a document); Public Review Draft (designates a document ready for public comment); Final (designation for a document after public comment and Ecology approval); and the preliminary Draft Cleanup Action Plan (designation for the PLP's version of the DCAP).

B. The PLP shall submit to Ecology written quarterly Progress Reports that describe the actions taken during the previous quarter to implement the requirements of this Order. All Progress Reports shall be submitted by the tenth (10th) day of the month in which they are due after the effective date of this Order. Unless otherwise specified by Ecology, Progress Reports and any other documents submitted pursuant to this Order shall be sent by certified mail, return receipt requested, to Ecology's project coordinator. The Progress Reports shall include the following:

- a. A list of on-site activities that have taken place during the quarter;
- b. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests;
- c. Description of all deviations from the Scope of Work and Schedule (**Exhibit B**) during the current quarter and any planned deviations in the upcoming quarter;
- d. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule;
- e. All raw data (including laboratory analyses) received by the PLP during the past quarter and an identification of the source of the sample; and
- f. A list of deliverables for the upcoming quarter if different from the schedule.

C. All plans or other deliverables submitted by the PLP for Ecology's review and approval under the Scope of Work and Schedule (**Exhibit B**) shall, upon Ecology's approval, become integral and enforceable parts of this Order.

D. If the Parties agree on an interim action under Section VI.H, the PLP shall prepare and submit to Ecology an Interim Action Work Plan, including a scope of work and schedule, by the date determined by Ecology. Ecology will provide public notice and opportunity to comment on the Interim Action Work Plan in accordance with WAC 173-340-600(16). The PLPs shall not conduct the interim action until Ecology approves the Interim Action Work Plan. Upon approval by Ecology, the Interim Action Work Plan becomes an integral and enforceable part of this Order, and the PLP is required to conduct the interim action in accordance with the approved Interim Action Work Plan.

E. If Ecology determines that the PLP has failed to make sufficient progress or failed to implement the remedial action, in whole or in part, Ecology may, after notice to the PLP, perform any or all portions of the remedial action or at Ecology's discretion, allow the PLP opportunity to correct. The PLP shall reimburse Ecology for the costs of doing such work in accordance with Section VIII.A (Remedial Action Costs). Ecology reserves the right to enforce requirements of this Order under Section X (Enforcement).

F. Except where necessary to abate an emergency situation, the PLP shall not perform any remedial actions at the Site outside those remedial actions required by this Order, unless Ecology concurs, in writing, with such additional remedial actions.

VIII. TERMS AND CONDITIONS

A. Payment of Remedial Action Costs

The PLP shall pay to Ecology costs incurred by Ecology pursuant to this Order and consistent with WAC 173-340-550(2). These costs shall include work performed by Ecology or its contractors for, or on, the Site under RCW 70.105D, including remedial actions and Order preparation, negotiation, oversight, and administration. These costs shall

include work performed both prior to and subsequent to the issuance of this Order. Ecology's costs shall include costs of direct activities and support costs of direct activities as defined in WAC 173-340-550(2). For all Ecology costs incurred, the PLP shall pay the required amount within thirty (30) days of receiving from Ecology an itemized statement of costs that includes a summary of costs incurred, an identification of involved staff, and the amount of time spent by involved staff members on the project. A general statement of work performed will be provided upon request. Itemized statements shall be prepared quarterly. Pursuant to WAC 173-340-550(4), failure to pay Ecology's costs within ninety (90) days of receipt of the itemized statement of costs will result in interest charges at the rate of twelve percent (12%) per annum, compounded monthly.

In addition to other available relief, pursuant to RCW 19.16.500, Ecology may utilize a collection agency and/or, pursuant to RCW 70.105D.055, file a lien against real property subject to the remedial actions to recover unreimbursed remedial action costs.

B. Designated Project Coordinators

The project coordinator for Ecology is:

Frank P. Winslow
Toxics Cleanup Program
Washington State Department of Ecology
Central Regional Office
1250 W. Alder Street, Union Gap, WA 98903
Tel: 509-454-7835
Fax: 509.575.2809
frank.winslow@ecy.wa.gov

The project coordinator for the PLP is:

Mr. Eric Roehl
Chevron Environmental Management Company
145 South State College Blvd.
Brea, CA 92821
(714) 671-3347

Each project coordinator shall be responsible for overseeing the implementation of this Order. Ecology's project coordinator will be Ecology's designated representative for the Site. To

the maximum extent possible, communications between Ecology and the PLP, and all documents, including reports, approvals, and other correspondence concerning the activities performed pursuant to the terms and conditions of this Order shall be directed through the project coordinators. The project coordinators may designate, in writing, working level staff contacts for all or portions of the implementation of the work to be performed required by this Order.

Any party may change its respective project coordinator. Written notification shall be given to the other party at least ten (10) calendar days prior to the change.

C. Performance

All geologic and hydrogeologic work performed pursuant to this Order shall be under the supervision and direction of a geologist or hydrogeologist licensed by the State of Washington or under the direct supervision of an engineer registered by the State of Washington, except as otherwise provided for by RCW 18.43 and 18.220.

All engineering work performed pursuant to this Order shall be under the direct supervision of a professional engineer registered by the State of Washington, except as otherwise provided for by RCW 18.43.130.

All construction work performed pursuant to this Order shall be under the direct supervision of a professional engineer or a qualified technician under the direct supervision of a professional engineer. The professional engineer must be registered by the State of Washington, except as otherwise provided for by RCW 18.43.130.

Any documents submitted containing geologic, hydrogeologic, or engineering work shall be under the seal of an appropriately licensed professional as required by RCW 18.43 and 18.220.

The PLP shall notify Ecology in writing of the identity of any engineer(s) and geologist(s), contractor(s) and subcontractor(s), and others to be used in carrying out the terms of this Order, in advance of their involvement at the Site.

D. Access

Ecology or any Ecology authorized representative shall have access to enter and freely move about all property at the Site that the PLP either owns, controls, or has access rights to at all

reasonable times for the purposes of, *inter alia*: inspecting records, operation logs, and contracts related to the work being performed pursuant to this Order; reviewing the PLP's progress in carrying out the terms of this Order; conducting such tests or collecting such samples as Ecology may deem necessary; using a camera, sound recording, or other documentary type equipment to record work done pursuant to this Order; and verifying the data submitted to Ecology by the PLP. The PLP shall make all reasonable efforts to secure access rights for those properties within the Site not owned or controlled by the PLP where remedial activities or investigations will be performed pursuant to this Order. Ecology or any Ecology authorized representative shall give reasonable notice before entering any Site property owned or controlled by the PLP unless an emergency prevents such notice. All persons who access the Site pursuant to this section shall comply with any applicable health and safety plan(s). Ecology employees and their representatives shall not be required to sign any liability release or waiver as a condition of Site property access. Ecology acknowledges that the PLP does not own or control the properties within the Site, and therefore may not be able to provide Ecology with access.

E. Sampling, Data Submittal, and Availability

With respect to the implementation of this Order, the PLP shall make the results of all sampling, laboratory reports, and/or test results generated by it or on its behalf available to Ecology. Pursuant to WAC 173-340-840(5), all sampling data shall be submitted to Ecology in both printed and electronic formats in accordance with Section VII (Work to be Performed), Ecology's Toxics Cleanup Program Policy 840 (Data Submittal Requirements), and/or any subsequent procedures specified by Ecology for data submittal.

If requested by Ecology, the PLP shall allow Ecology and/or its authorized representative to take split or duplicate samples of any samples collected by the PLP pursuant to implementation of this Order. The PLP shall notify Ecology seven (7) days in advance of any sample collection or work activity at the Site. Ecology shall, upon request, allow The PLP and/or its authorized representative to take split or duplicate samples of any samples collected by Ecology pursuant to

the implementation of this Order, provided that doing so does not interfere with Ecology's sampling. Without limitation on Ecology's rights under Section VIII.D (Access), Ecology shall notify the PLP prior to any sample collection activity unless an emergency prevents such notice.

In accordance with WAC 173-340-830(2)(a), all hazardous substance analyses shall be conducted by a laboratory accredited under WAC 173-50 for the specific analyses to be conducted, unless otherwise approved by Ecology.

F. Public Participation

RCW 70.105D.030(2)(a) requires that, at a minimum, this Order be subject to concurrent public notice. Ecology shall be responsible for providing this public notice and reserves the right to modify or withdraw any provisions of this Order should public comment disclose facts or considerations which indicate to Ecology that this Order is inadequate or improper in any respect.

Ecology shall maintain the responsibility for public participation at the Site. However, the PLP shall cooperate with Ecology, and shall:

1. If agreed to by Ecology, develop appropriate mailing lists and prepare drafts of public notices and fact sheets at important stages of the remedial action, such as the submission of work plans, remedial investigation/feasibility study reports, cleanup action plans, and engineering design reports. As appropriate, Ecology will edit, finalize, and distribute such fact sheets and prepare and distribute public notices of Ecology's presentations and meetings.

2. Notify Ecology's project coordinator prior to the preparation of all press releases and fact sheets, and before meetings related to remedial action work to be performed at the Site with the interested public and/or local governments. Likewise, Ecology shall notify the PLP prior to the issuance of all press releases and fact sheets related to the Site, and before meetings related to the Site with the interested public and local governments. For all press releases, fact sheets, meetings, and other outreach efforts by the PLP that do not receive prior Ecology approval, the PLP shall clearly indicate to its

audience that the press release, fact sheet, meeting, or other outreach effort was not sponsored or endorsed by Ecology.

3. When requested by Ecology, participate in public presentations on the progress of the remedial action at the Site. Participation may be through attendance at public meetings to assist in answering questions or as a presenter.

4. When requested by Ecology, arrange and/or continue information repositories to be located at the following locations:

- a. Richland Public Library
955 Northgate Drive, Richland, WA 99352
- b. Department of Ecology
Central Regional Office
1250 W. Alder St, Union Gap, WA 98903

At a minimum, copies of all public notices, fact sheets, and documents relating to public comment periods shall be promptly placed in these repositories. A copy of all documents related to this Site shall be maintained in the repository at Ecology's Central Regional Office in Union Gap Washington.

G. Retention of Records

During the pendency of this Order, and for ten (10) years from the date of completion of work performed pursuant to this Order, the PLP shall preserve all records, reports, documents, and underlying data in its possession relevant to the implementation of this Order and shall insert a similar record retention requirement into all contracts with project contractors and subcontractors. Upon request of Ecology, the PLP shall make all records available to Ecology and allow access for review within a reasonable time.

Nothing in this Order is intended to waive any right the PLP may have under applicable law to limit disclosure of documents protected by the attorney work-product privilege and/or the attorney-client privilege. If the PLP withholds any requested records based on an assertion of privilege, the PLP shall provide Ecology with a privilege log specifying the records withheld and

the applicable privilege. No Site-related data collected pursuant to this Order shall be considered privileged.

H. Resolution of Disputes

1. In the event that the PLP elects to invoke dispute resolution the PLP must utilize the procedure set forth below.

a. Upon the triggering event (receipt of Ecology's project coordinator's written decision or an itemized billing statement), the PLP has thirty (30) calendar days within which to notify Ecology's project coordinator in writing of its dispute (Informal Dispute Notice).

b. The Parties' project coordinators shall then confer in an effort to resolve the dispute informally. The parties shall informally confer for up to fourteen (14) calendar days from receipt of the Informal Dispute Notice. If the project coordinators cannot resolve the dispute within those 14 calendar days, then within seven (7) calendar days Ecology's project coordinator shall issue a written decision (Informal Dispute Decision) stating: the nature of the dispute; the PLP's position with regards to the dispute; Ecology's position with regards to the dispute; and the extent of resolution reached by informal discussion.

c. The PLP may then request regional management review of the dispute. This request (Formal Dispute Notice) must be submitted in writing to the [region] Region Toxics Cleanup Section Manager within seven (7) calendar days of receipt of Ecology's Informal Dispute Decision. The Formal Dispute Notice shall include a written statement of dispute setting forth: the nature of the dispute; the disputing Party's position with respect to the dispute; and the information relied upon to support its position.

d. The Section Manager shall conduct a review of the dispute and shall issue a written decision regarding the dispute (Decision on Dispute) within thirty (30) calendar days of receipt of the Formal Dispute Notice. The Decision on Dispute shall be Ecology's final decision on the disputed matter.

2. The Parties agree to only utilize the dispute resolution process in good faith and agree to expedite, to the extent possible, the dispute resolution process whenever it is used.

3. Implementation of these dispute resolution procedures shall not provide a basis for delay of any activities required in this Order, unless Ecology agrees in writing to a schedule extension.

4. In case of a dispute, failure to either proceed with the work required by this Order or timely invoke dispute resolution may result in Ecology's determination that insufficient progress is being made in preparation of a deliverable, and may result in Ecology undertaking the work under Section VII.E (Work to be Performed) or initiating enforcement under Section X (Enforcement).

I. Extension of Schedule

1. The PLP's request for an extension of schedule shall be granted only when a request for an extension is submitted in a timely fashion, generally at least thirty (30) days prior to expiration of the deadline for which the extension is requested, and good cause exists for granting the extension. All extensions shall be requested in writing. The request shall specify:

- a. The deadline that is sought to be extended;
- b. The length of the extension sought;
- c. The reason(s) for the extension; and
- d. Any related deadline or schedule that would be affected if the extension were granted.

2. The burden shall be on the PLP to demonstrate to the satisfaction of Ecology that the request for such extension has been submitted in a timely fashion and that good cause exists for granting the extension. Good cause may include, but may not be limited to:

- a. Circumstances beyond the reasonable control and despite the due diligence of the PLP including delays caused by unrelated third parties or Ecology, such as (but not limited to) delays by Ecology in reviewing, approving, or modifying documents submitted by the PLP;

b. Acts of God, including fire, flood, blizzard, extreme temperatures, storm, or other unavoidable casualty; or

c. Endangerment as described in Section VIII.K (Endangerment).

However, neither increased costs of performance of the terms of this Order nor changed economic circumstances shall be considered circumstances beyond the reasonable control of the PLP.

3. Ecology shall act upon any PLP's written request for extension in a timely fashion. Ecology shall give the PLP written notification of any extensions granted pursuant to this Order. A requested extension shall not be effective until approved by Ecology. Unless the extension is a substantial change, it shall not be necessary to amend this Order pursuant to Section VIII.J (Amendment of Order) when a schedule extension is granted.

4. At the PLP's request, an extension shall only be granted for such period of time as Ecology determines is reasonable under the circumstances. Ecology may grant schedule extensions exceeding ninety (90) days only as a result of:

a. Delays in the issuance of a necessary permit which was applied for in a timely manner;

b. Other circumstances deemed exceptional or extraordinary by Ecology; or

c. Endangerment as described in Section VIII.K (Endangerment).

J. Amendment of Order

The project coordinators may verbally agree to minor changes to the work to be performed without formally amending this Order. Minor changes will be documented in writing by Ecology within seven (7) days of verbal agreement.

Except as provided in Section VIII.L (Reservation of Rights), substantial changes to the work to be performed shall require formal amendment of this Order. This Order may only be formally amended by the written consent of both Ecology and the PLP. Ecology will provide its written consent to a formal amendment only after public notice and opportunity to comment on the formal amendment.

When requesting a change to the Order, the PLP shall submit a written request to Ecology for approval. Ecology shall indicate its approval or disapproval in writing and in a timely manner after the written request is received. If Ecology determines that the change is substantial, then the Order must be formally amended. Reasons for the disapproval of a proposed change to this Order shall be stated in writing. If Ecology does not agree to a proposed change, the disagreement may be addressed through the dispute resolution procedures described in Section VIII.H (Resolution of Disputes).

K. Endangerment

In the event Ecology determines that any activity being performed at the Site under this Order is creating or has the potential to create a danger to human health or the environment on or surrounding the Site, Ecology may direct the PLP to cease such activities for such period of time as it deems necessary to abate the danger. The PLP shall immediately comply with such direction.

In the event the PLP determines that any activity being performed at the Site under this Order is creating or has the potential to create a danger to human health or the environment, the PLP may cease such activities. The PLP shall notify Ecology's project coordinator as soon as possible, but no later than twenty-four (24) hours after making such determination or ceasing such activities. Upon Ecology's direction, the PLP shall provide Ecology with documentation of the basis for the determination or cessation of such activities. If Ecology disagrees with the PLP's cessation of activities, it may direct the PLP to resume such activities.

If Ecology concurs with or orders a work stoppage pursuant to this section, the PLP's obligations with respect to the ceased activities shall be suspended until Ecology determines the danger is abated, and the time for performance of such activities, as well as the time for any other work dependent upon such activities, shall be extended in accordance with Section VIII.I (Extension of Schedule) for such period of time as Ecology determines is reasonable under the circumstances.

Nothing in this Order shall limit the authority of Ecology, its employees, agents, or contractors to take or require appropriate action in the event of an emergency.

L. Reservation of Rights

This Order is not a settlement under RCW 70.105D. Ecology's signature on this Order in no way constitutes a covenant not to sue or a compromise of any of Ecology's rights or authority. Ecology will not, however, bring an action against the PLP to recover remedial action costs paid to and received by Ecology under this Order. In addition, Ecology will not take additional enforcement actions against the PLP regarding remedial actions required by this Order, provided the PLP complies with this Order.

Ecology nevertheless reserves its rights under RCW 70.105D, including the right to require additional or different remedial actions at the Site should it deem such actions necessary to protect human health or the environment, and to issue orders requiring such remedial actions. Ecology also reserves all rights regarding the injury to, destruction of, or loss of natural resources resulting from the release or threatened release of hazardous substances at the Site.

By entering into this Order, the PLP does not admit to any liability for the Site. Although the PLP is committing to conducting the work required by this Order under the terms of this Order, the PLP expressly reserves all rights available under law, including but not limited to the right to seek cost recovery or contribution against third parties, and the right to assert any defenses to liability in the event of enforcement.

M. Transfer of Interest in Property

No voluntary conveyance or relinquishment of title, easement, leasehold, or other interest in any portion of the Site shall be consummated by the PLP without provision for continued implementation of all requirements of this Order and implementation of any remedial actions found to be necessary as a result of this Order.

Prior to the PLP's transfer of any interest in all or any portion of the Site, and during the effective period of this Order, the PLP shall provide a copy of this Order to any prospective purchaser, lessee, transferee, assignee, or other successor in said interest; and, at least thirty (30) days prior to any transfer, the PLP shall notify Ecology of said transfer. Upon transfer of any

interest, the PLP shall notify all transferees of the restrictions on the activities and uses of the property under this Order and incorporate any such use restrictions into the transfer documents.

N. Compliance with Applicable Laws

1. All actions carried out by the PLP pursuant to this Order shall be done in accordance with all applicable federal, state, and local requirements, including requirements to obtain necessary permits or approvals, except as provided in RCW 70.105D.090. At this time, no federal, state, or local requirements have been identified as being applicable to the actions required by this Order. The PLP has a continuing obligation to identify additional applicable federal, state, and local requirements which apply to actions carried out pursuant to this Order, and to comply with those requirements. As additional federal, state, and local requirements are identified by Ecology or the PLP, Ecology will document in writing if they are applicable to actions carried out pursuant to this Order, and the PLP must implement those requirements.

2. All actions carried out by the PLP pursuant to this Order shall be done in accordance with relevant and appropriate requirements identified by Ecology. At this time, no relevant and appropriate requirements have been identified as being applicable to the actions required by this Order. If additional relevant and appropriate requirements are identified by Ecology or the PLP, Ecology will document in writing if they are applicable to actions carried out pursuant to this Order and the PLP must implement those requirements.

3. Pursuant to RCW 70.105D.090(1), the PLP may be exempt from the procedural requirements of RCW 70.94, 70.95, 70.105, 77.55, 90.48, and 90.58 and of any laws requiring or authorizing local government permits or approvals. However, the PLP shall comply with the substantive requirements of such permits or approvals. For permits and approvals covered under RCW 70.105D.090(1) that have been issued by local government, the Parties agree that Ecology has the non-exclusive ability under this Order to enforce those local government permits and/or approvals. At this time, no state or local permits or approvals have been identified as being applicable but procedurally exempt under this section.

4. The PLP has a continuing obligation to determine whether additional permits or approvals addressed in RCW 70.105D.090(1) would otherwise be required for the remedial action under this Order. In the event either Ecology or the PLP determines that additional permits or approvals addressed in RCW 70.105D.090(1) would otherwise be required for the remedial action under this Order, it shall promptly notify the other party of its determination. Ecology shall determine whether Ecology or the PLP shall be responsible to contact the appropriate state and/or local agencies. If Ecology so requires, the PLP shall promptly consult with the appropriate state and/or local agencies and provide Ecology with written documentation from those agencies of the substantive requirements those agencies believe are applicable to the remedial action. Ecology shall make the final determination on the additional substantive requirements that must be met by the PLP and on how the PLP must meet those requirements. Ecology shall inform the PLP in writing of these requirements. Once established by Ecology, the additional requirements shall be enforceable requirements of this Order. The PLP shall not begin or continue the remedial action potentially subject to the additional requirements until Ecology makes its final determination.

Pursuant to RCW 70.105D.090(2), in the event Ecology determines that the exemption from complying with the procedural requirements of the laws referenced in RCW 70.105D.090(1) would result in the loss of approval from a federal agency that is necessary for the state to administer any federal law, the exemption shall not apply and the PLP shall comply with both the procedural and substantive requirements of the laws referenced in RCW 70.105D.090(1), including any requirements to obtain permits or approvals.

O. Indemnification

The PLP agrees to indemnify and save and hold the State of Washington, its employees, and agents harmless from any and all claims or causes of action (1) for death or injuries to persons, or (2) for loss or damage to property, to the extent arising from or on account of acts or omissions of the PLP, its officers, employees, agents, or contractors in entering into and implementing this Order. However, the PLP shall not indemnify the State of Washington nor save nor hold its employees and agents harmless from any claims or causes of action to the extent arising out of the

negligent acts or omissions of the State of Washington, or the employees or agents of the State, in entering into or implementing this Order.

IX. SATISFACTION OF ORDER

The provisions of this Order shall be deemed satisfied upon the PLP's receipt of written notification from Ecology that the PLP has completed the remedial activity required by this Order, as amended by any modifications, and that the PLP has complied with all other provisions of this Agreed Order.

X. ENFORCEMENT

Pursuant to RCW 70.105D.050, this Order may be enforced as follows:

A. The Attorney General may bring an action to enforce this Order in a state or federal court.

B. The Attorney General may seek, by filing an action, if necessary, to recover amounts spent by Ecology for investigative and remedial actions and orders related to the Site.

C. A liable party who refuses, without sufficient cause, to comply with any term of this Order will be liable for:

1. Up to three (3) times the amount of any costs incurred by the State of Washington as a result of its refusal to comply.

2. Civil penalties of up to twenty-five thousand dollars (\$25,000) per day for each day it refuses to comply.

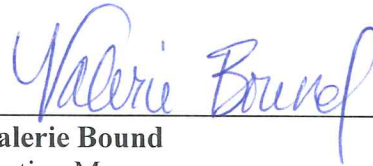
D. This Order is not appealable to the Washington Pollution Control Hearings Board. This Order may be reviewed only as provided under RCW 70.105D.060.

APR 26 2018

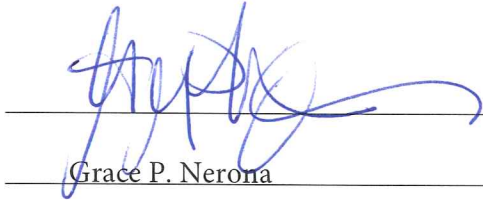
Effective date of this Order: _____

CHEVRON U.S.A. INC.
~~CHEVRON U.S.A. INC.~~
By CHEVRON ENVIRONMENTAL
MANAGEMENT COMPANY
As attorney-in-fact for Chevron U.S.A. Inc.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY



Valerie Bound
Section Manager
Toxics Cleanup Program
Central Regional Office
(509) 454-7886



Signature

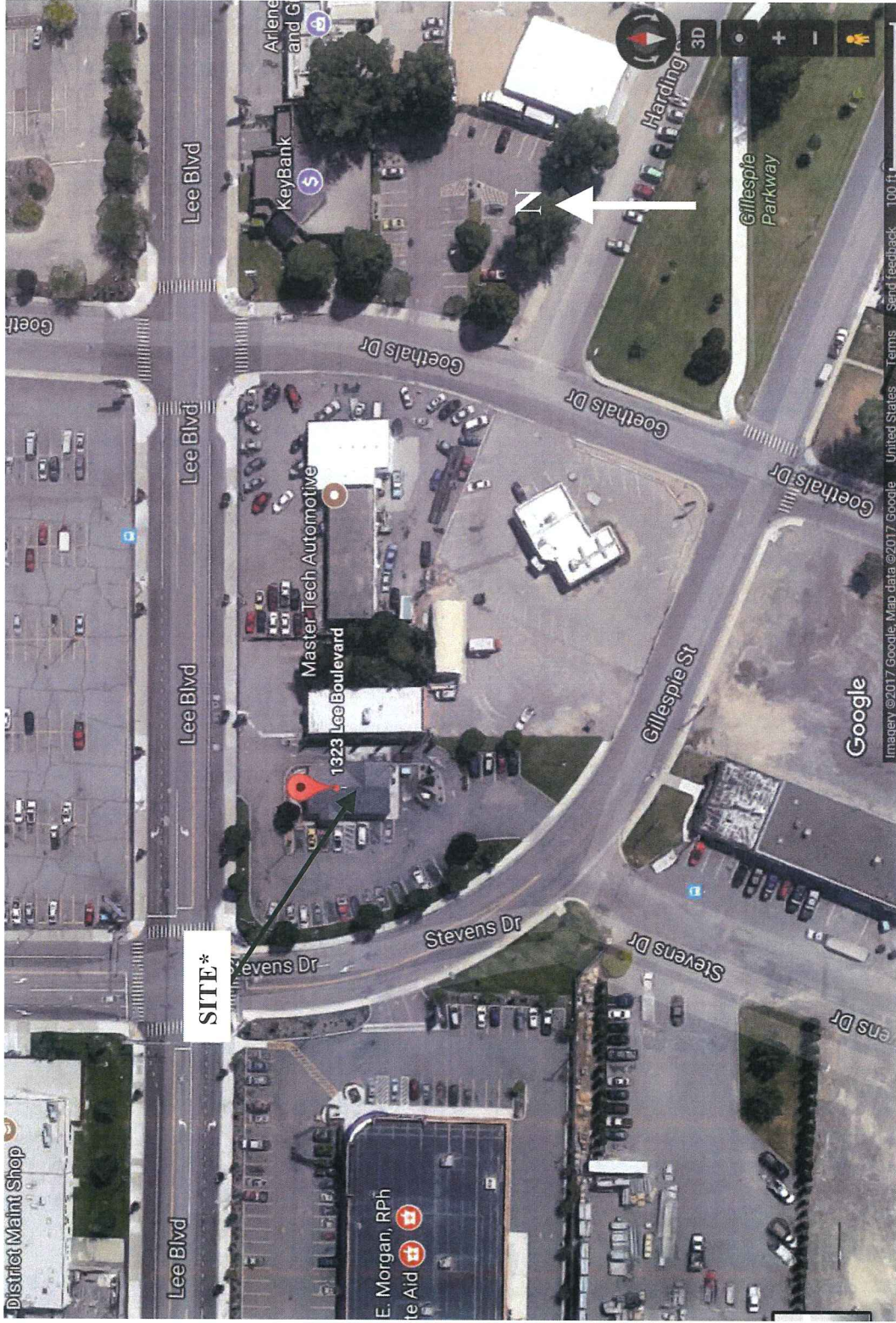
Grace P. Nerona _____ Print Name

Assistant Secretary _____ Print Title

Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583

Eric Roehl, (714) 671-3347 _____ Telephone

EXHIBIT A – SITE LOCATION MAP



*Note: The Site is generally located at 1323 Lee Boulevard in Richland, and is defined by the extent of soil and groundwater contamination, not property boundaries. The arrow shown is for general location purposes only.

Aerial Map Source: Google Maps.

EXHIBIT B –SCOPE OF WORK (SOW) AND SCHEDULE

SCOPE OF WORK

PURPOSE

The work under this AO involves two potential workflow paths, depending upon the outcome of initial groundwater sampling. Figure 1 illustrates the two potential work flow paths, which are described herein as a Monitoring Only path and a Cleanup Action Plan (CAP) path. The Monitoring Only path is based on the following conditions:

- The monitoring network is deemed sufficient by Ecology;
- Sampling of the monitoring network by the PLP results in all constituents having results below MTCA Method A cleanup levels; and
- The PLP can make the case that the extent of soil and groundwater contamination has been defined, and neither soil nor groundwater contamination exceeds Method A cleanup levels.

The CAP path shall be required if groundwater sampling results from the monitoring network have results above Method A cleanup levels or the PLP cannot make the case that the extent of soil or groundwater contamination has been sufficiently defined.

Figure 1: Two potential work flow paths.

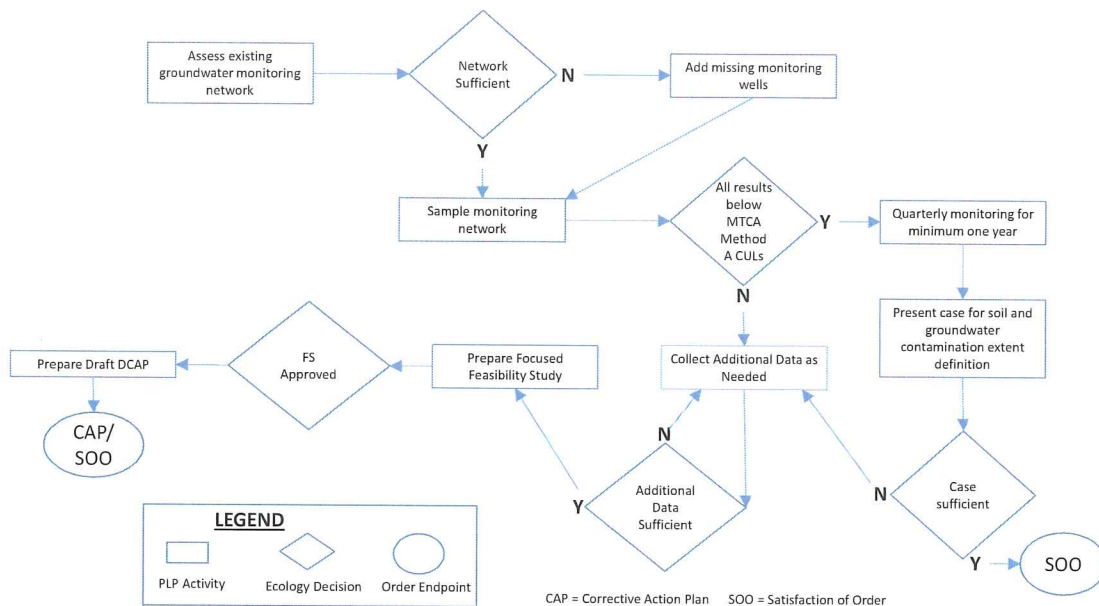


Exhibit B Scope of Work and Schedule

The Scope of Work (SOW) is divided into the following tasks:

- Task 1. Assessment of Existing Monitoring Network
- Task 2. Update of Existing Monitoring Network (if needed)
- Task 3. Monitoring Network Sampling
- Task 4. Quarterly Monitoring Network (if monitoring only option is appropriate)
- Task 5. Extent of Soil and Groundwater Contamination (both options)
- Task 6. Supplemental Data Collection (if needed)
- Task 7. Focused Feasibility Study Report (CAP option)
- Task 8. SEPA Compliance (CAP option)
- Task 9. Draft Corrective Action Plan (CAP option)

The PLP shall coordinate with Ecology throughout the development of the SOW tasks, and shall keep Ecology informed of changes to any project plans, and of any issues or problems as they develop.

TASK 1 – ASSESSMENT OF EXISTING MONITORING NETWORK

Under both work flow options, the initial task will be for the PLP to assess the condition of the existing monitoring well network and present that information to Ecology. This information will include the locations, construction, and conditions of existing monitoring wells. Ecology will make a determination as to whether or not this network is sufficient to determine the current conditions of groundwater.

TASK 2 – UPDATE OF EXISTING MONITORING NETWORK (IF NEEDED)

If the existing monitoring network is not considered sufficient by Ecology, then additional monitoring points will be required. Ecology must approve the locations and construction methods and materials for additional monitoring points. After Ecology approval, the PLP shall install the additional monitoring points.

TASK 3 – MONITORING NETWORK SAMPLING

The PLP shall present a brief work plan to Ecology presenting the monitoring wells to be sampled, the sampling methods to be used, and the laboratory analysis to be performed. Ecology shall provide comments and/or approval on that work plan. After Ecology approval of the work plan, the PLP shall sample the monitoring wells. The results of the sampling will be presented to Ecology in a letter report, including a map showing well locations, potentiometric surface map, tabulated data, and analytical laboratory reports. A new survey of monitoring wells may be needed to generate a potentiometric surface map.

TASK 4 – QUARTERLY MONITORING (IF MONITORING ONLY PATH IS APPROPRIATE)

If the results of Task 3 indicate all results below MTCA Method A cleanup levels, then the PLP can propose quarterly monitoring for a minimum of one year, counting the initial monitoring round. If at the end of one year of monitoring all results are below MTCA Method A cleanup levels, then the PLP can petition for a No Further Action determination, provided the PLP can make the case that the extent of soil and groundwater contamination has been defined and are both below MTCA method A clean levels (see Task 5).

TASK 5 – EXENT OF SOIL AND GROUNDWATER CONTAMINATION

If the PLP opines that they can make a case that the extent of soil and groundwater contamination has been previously defined, then the PLP shall present that case either in a letter report or combined with a groundwater monitoring report. The extent of contamination case must be presented using tables, maps, and cross sections to show the identified historical contamination distribution. A conceptual site model must be presented to demonstrate that all transport and exposure pathways and mechanisms have been considered and assessed. This conceptual site model should be expressed both graphically and verbally.

MONITORING ONLY PATH NO FUTHER ACTION DETERMINATION

Ecology shall, at their sole discretion, issue a No Further Action Determination for the Site if the four quarters of groundwater monitoring result in all contaminants being present at concentrations less than their respective Method A clean up levels and the PLP has made a sufficient case that the extent of soil and groundwater contamination has been defined. Ecology reserves the right to request additional monitoring rounds and/or collection of additional data, at their sole discretion.

WORK FLOW PATH 2 – CORRECTIVE ACTION PLAN

The second work flow path will be required if groundwater monitoring results are above Method A cleanup levels.

TASK 6 – SUPPLEMENTAL DATA COLLECTION

Initially, the PLP will opine whether or not sufficient data has been collected to prepare a focused feasibility study, based on the documentation of the extent of soil and groundwater contamination (Task 5). Ecology will determine whether or not additional data are needed prior to proceeding to the focused feasibility study. This determination will be made based on whether or not previous works meet the requirements for an RI as detailed in WAC 173-340-350(7).

Exhibit B Scope of Work and Schedule

If Ecology has determined that supplemental data collection is required prior to proceeding to the focused Feasibility Study, then the PLP shall prepare a letter work plan detailing the methods, locations, and depths, of such supplemental data collection. After Ecology approval, the PLP shall proceed with the supplemental data collection activities. The results of such activities shall be presented to Ecology in a letter report to be approved by Ecology.

TASK 7 – FOCUSED FEASIBILITY STUDY

After Ecology has determined that sufficient data are available to proceed, the PLP shall prepare a Focused Feasibility Study (FFS). The FFS must include the components required in WAC 173-340-350(8) but can focus on model remedies approved of by Ecology. The focused feasibility study can include evaluation of cleanup levels and points of compliance, as appropriate.

The *Draft* FFS will evaluate remedial alternatives for site cleanup, consistent with MTCA requirements to ensure protection of human health and the environment by eliminating, reducing, or otherwise controlling risk posed through each exposure pathway and migration route. Prior to beginning the FFS, a Key Project Meeting will be held to review ARARs, potential remedial alternatives and establish points of compliance.

The *Draft* FFS will provide a detailed analysis of each remedial alternative according to the applicable requirements of WAC 173-340-350(8). The remedial alternatives will be evaluated for compliance with the applicable requirements of WAC 173-340-360, Selection of Cleanup Actions, including a detailed evaluation of remedial alternatives relative to the following criteria:

- Compliance with Cleanup Standards and Applicable Laws
- Protection of Human Health
- Protection of the Environment
- Provision for a Reasonable Restoration Time Frame
- Use of Permanent Solutions to the Maximum Extent Practicable
- The Degree to which Recycling, Reuse, and Waste Minimization are Employed
- Short-term Effectiveness
- Long-Term Effectiveness
- Net Environmental Benefit
- Implementability
- Provision for Compliance Monitoring
- Cost-Effectiveness
- Prospective Community Acceptance

The remedial alternative that is judged to best satisfy the evaluation criteria will be identified. Justification for the selection will be provided, and the recommended remedial alternative further developed, in the *Draft* FFS Report.

Exhibit B Scope of Work and Schedule

The PLP shall prepare the *Draft* Focused Feasibility Study Report and submit two hard copies and one electronic copy in Adobe (.pdf) format to Ecology for review. The PLP shall incorporate Ecology's comments and then prepare the *Final* Focused Feasibility Study Report and submit two hard copies and one electronic copy in Adobe (.pdf) format, to Ecology. The FS will not be considered Final until after a public review and comment period.

TASK 8. SEPA COMPLIANCE

The PLP shall be responsible for complying with the State Environmental Policy Act (SEPA) Rules including preparing and submitting an environmental checklist. If the result of the threshold determination is a determination of significance (DS), the PLP shall be responsible for the preparation of Draft and final environmental impact statements. The PLP shall assist Ecology with coordinating SEPA public involvement requirements with MTCA public involvement requirements whenever possible, such that public comment periods and meetings or hearings can be held concurrently.

TASK 9. PRELIMINARY DRAFT CLEANUP ACTION PLAN

Upon Ecology approval of the *Draft* Focused Feasibility Study, a Key Project Meeting will be held regarding the Cleanup Action Plan. The Cleanup Action Plan Meeting will be used to review plans for developing the *Preliminary Draft* Cleanup Action Plan (DCAP).

The PLP shall prepare a preliminary DCAP in accordance with WAC 173-340-380 that provides a proposed remedial action to address the contamination present on the Site. Where contaminated sediments are included in the remedial action, the cleanup plan will comply with WAC 173-204-580, in addition to the MTCA requirements cited above. The preliminary DCAP shall include a general description of the proposed remedial actions, cleanup standards developed from the RI/FS and rationale regarding their selection, a schedule for implementation, description of any institutional controls proposed, and a summary of applicable local, state, and federal laws pertinent to the proposed cleanup actions.

The PLP will submit a preliminary DCAP for Ecology's review and approval. The preliminary DCAP will include, but not be limited to, the information listed under WAC 173-340-380. The PLP shall provide two hard copies and one electronic copy in Adobe (.pdf) format, to Ecology for review and approval.

After receiving Ecology's comments on the preliminary DCAP, the PLP shall revise the preliminary DCAP to address Ecology's comments and submit three hard copies and one electronic copy in Adobe (.pdf) formats for public review.

SCHEDULE OF DELIVERABLES

The schedule for deliverables described in the Agreed Order and the Scope of Work is presented below. If the date for submission of any item or notification required by this Schedule of Deliverables occurs on a weekend, state or federal holiday, the date for submission of that item or notification is extended to the next business day following the weekend or holiday. Where a deliverable due date is triggered by Ecology notification, comments or approval, the starting date for the period shown is the date the PLP received such notification, comments or approval by certified mail, return receipt requested, unless otherwise noted below. Where triggered by Ecology receipt of a deliverable, the starting date for the period shown is the date Ecology receives the deliverable by certified mail, return receipt requested, or the date of Ecology signature on a hand-delivery form.

Task	RI/FS Deliverable	Deliverable description	Completion Times
1	Assessment of Existing Monitoring Network	PLP submittal of document to Ecology	Within 60 calendar days following the effective date of the Agreed Order
		Ecology comments on document to PLP	Within 20 calendar days following receipt of draft document
2	Update of Existing Monitoring Network (if needed)	PLP submittal of letter work plan to Ecology	Within 60 calendar days following completion of Task 2
		Ecology comments on work plan	Within 20 calendar days following receipt of work plan
		PLP completion of additional monitoring wells and reporting to Ecology	Within 90 calendar days of receipt of Ecology comments
3	Monitoring Network Sampling	PLP submittal of letter work plan to Ecology	Within 45 calendar days following Ecology approval of monitoring network
		Ecology comments on work plan	Within 20 calendar days following receipt of work plan
		PLP sampling of monitoring wells and reporting to Ecology	Within 60 calendar days of Ecology approval of work plan

Exhibit B Scope of Work and Schedule

4	Quarterly Monitoring (if appropriate)	PLP to perform quarterly monitoring and submit monitoring reports to Ecology for one year	Within 60 days following end of each quarter
5	Extent of Soil and Groundwater Contamination	Letter report presenting extent of contamination and CSM to Ecology	Within 60 calendar days following effective date of the Agreed Order
		Ecology determination on sufficiency of extent document	Within 20 calendar days following receipt of document
		PLP work plan for supplemental investigation (if needed)	Within 60 calendar days of receipt of Ecology request for additional data
		Ecology comments on work plan	Within 20 calendar days following receipt of document
6	Supplemental Data Collection	Supplemental field data acquisition ³	Within 90 calendar days following Ecology approval of work plan
		Supplement data report	Within 60 calendar days of completion of field work
7	Focused Feasibility Study (FFS) Report	PLP submittal of draft document to Ecology	Within 90 calendar days following completion of the FFS
		Ecology comments on draft document to PLP	Within 30 calendar days following receipt of draft document
		PLP submittal of revised document to Ecology ^{1,2}	Within 45 calendar days of receipt of Ecology comments
8	Preliminary Draft Cleanup Action Plan (DCAP)	PLP submittal of draft document to Ecology	Within 90 calendar days following completion of the FFS

Exhibit B Scope of Work and Schedule

		Ecology comments on draft document to PLP	Within 30 calendar days following receipt of draft document
		PLP submittal of revised document to Ecology ^{1,2}	Within 45 calendar days of receipt of Ecology comments

1 – Ecology reserves the right, at the sole discretion of Ecology, to require one additional comment and document revision round, if needed. All Ecology comments must be addressed to Ecology’s satisfaction prior to document finalization.

2 – If the document submitted is not satisfactory to Ecology after completion of two rounds of review and comments (including initial review and comments), Ecology may at its sole discretion complete the document or contract with an Ecology contractor for completion of the document at the expense of the PLP under Section VIII (A) of the Agreed Order.

3 – The schedule for supplemental field data acquisition may be revised by Ecology, based on the exact scope of work presented within the work plan prepared by the PLP.