

Dear Senators BURTENSHAW, Adams, Semmelroth, and
Representatives BARBIERI, Furniss, Necochea:

The Legislative Services Office, Research and Legislation, has received the enclosed rules of the
Department of Environmental Quality:

IDAPA 58.01.24 - Standards and Procedures for Application of Risk Based Corrective Action
at Petroleum Release Sites (ZBR Chapter Rewrite) - Proposed Rule (Docket No.
58-0124-2401).

Pursuant to Section 67-454, Idaho Code, a meeting on the enclosed rules may be called by the
cochairmen or by two (2) or more members of the subcommittee giving oral or written notice to Research
and Legislation no later than fourteen (14) days after receipt of the rules' analysis from Legislative
Services. The final date to call a meeting on the enclosed rules is no later than 09/13/2024. If a meeting is
called, the subcommittee must hold the meeting within forty-two (42) days of receipt of the rules' analysis
from Legislative Services. The final date to hold a meeting on the enclosed rules is 10/11/2024.

The germane joint subcommittee may request a statement of economic impact with respect to a
proposed rule by notifying Research and Legislation. There is no time limit on requesting this statement,
and it may be requested whether or not a meeting on the proposed rule is called or after a meeting has
been held.

To notify Research and Legislation, call 334-4854, or send a written request to the address on the
memorandum attached below.



Terri Kondeff
Director

Legislative Services Office

Idaho State Legislature

Serving Idaho's Citizen Legislature

MEMORANDUM

TO: Rules Review Subcommittee of the Senate Resources & Environment Committee and the House Environment, Energy & Technology Committee

FROM: Deputy Division Manager - Katharine Gerrity

DATE: August 27, 2024

SUBJECT: Department of Environmental Quality

IDAPA 58.01.24 - Standards and Procedures for Application of Risk Based Corrective Action at Petroleum Release Sites (ZBR Chapter Rewrite) - Proposed Rule (Docket No. 58-0124-2401)

Summary and Stated Reasons for the Rule

The Department of Environmental Quality submits notice of proposed rule at IDAPA 58.01.24 - Standards and Procedures for Application of Risk Based Corrective Action at Petroleum Release Sites. This rulemaking is a result of zero-based regulation review. According to the department, the rule includes retiring the department's risk evaluation software in exchange for the EPA's risk evaluation process using EPA's Regional Screening Level Calculator and Vapor Intrusion Screening Level Calculator. The department notes that it also includes updates consistent with the adopted Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks required for state program approval. The department notes that some sections were moved from one rule chapter or section to another and that unnecessary restrictive words were removed. The department also indicates that there is no federal law or regulation that is comparable to the standards and therefore, the rule is not broader in scope or more stringent than federal law or regulations.

Negotiated Rulemaking / Fiscal Impact

The department states that negotiated rulemaking was conducted and states that there is no fiscal impact as a result of the rulemaking.

Statutory Authority

The rulemaking appears to be authorized by Section 39-107, and Chapters 1, 36, 44, 72, and 74, Title 39, Idaho Code.

cc: Department of Environmental Quality
Janeena White

*** PLEASE NOTE ***

Paul Headlee, Deputy Director Matt Drake, Manager Keith Bybee, Manager April Renfro, Manager Norma Clark, Manager
Legislative Services Office Research & Legislation Budget & Policy Analysis Legislative Audits Information Technology

Statehouse, P.O. Box 83720
Boise, Idaho 83720-0054

Tel: 208-334-2475
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Per the Idaho Constitution, all administrative rules may be reviewed by the Legislature during the next legislative session. The Legislature has 3 options with this rulemaking docket: **1)** Approve the docket in its entirety; **2)** Reject the docket in its entirety; or **3)** Reject the docket in part.

IDAPA 58 – DEPARTMENT OF ENVIRONMENTAL QUALITY

58.01.24 – STANDARDS AND PROCEDURES FOR APPLICATION OF RISK BASED CORRECTIVE ACTION AT PETROLEUM RELEASE SITES

DOCKET NO. 58-0124-2401 (ZBR CHAPTER REWRITE)

NOTICE OF RULEMAKING – PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking. This action is authorized by Section 39-107(7), and Chapters 1, 36, 44, 72, and 74, Title 39, Idaho Code.

PUBLIC HEARING SCHEDULE: No hearings have been scheduled. Pursuant to Section 67-5222(2), Idaho Code, a public hearing will be held if requested in writing by twenty-five (25) persons, a political subdivision, or an agency. Written requests for a hearing must be received by the undersigned on or before August 21, 2024. If no such written request is received, a public hearing will not be held. Two public scoping meets were held before the negotiated rulemaking process and three public meetings were held during the negotiated rulemaking process.

DESCRIPTIVE SUMMARY: DEQ initiated this rulemaking in compliance with [Executive Order No. 2020-01, Zero-Based Regulation](#) (EO 2020-01), issued by Governor Little on January 16, 2020. Pursuant to EO 2020-01, each rule chapter effective on June 30, 2020, shall be reviewed by the agency that promulgated the rule. The review will be conducted according to a schedule established by the Division of Financial Management, Office of the Governor (DFM), posted at https://adminrules.idaho.gov/forms_menu.html. This is one of the DEQ rule chapters up for review in 2024. The goal of the rulemaking is to perform a critical and comprehensive review of the entire chapter in an attempt to reduce overall regulatory burden, streamline various provisions, increase clarity and ease of use, and maintain state program approval.

This proposed rule includes retiring DEQ's risk evaluation software in exchange for the Environmental Protection Agency's (EPA) risk evaluation process using EPA's Regional Screening Level Calculator and Vapor Intrusion Screening Level Calculator. It also includes updates consistent with the adopted Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks (40 CFR Part 280) required for state program approval.

In addition, this proposed rule includes moving Sections 851, Petroleum Release Reporting, Investigation, and Confirmation, and 852, Petroleum Release Response and Corrective Action, from IDAPA 58.01.02, Water Quality Standards, to new sections IDAPA 58.01.24.060 and 061 and moving IDAPA 58.01.24.200.03 to new 58.01.24.061.01.b. As these sections were moved from one rule chapter or section to another, unnecessary restrictive words were removed. DEQ initiated companion rulemaking docket 58-0102-2401 for the purpose of deleting Sections 851 and 852 from IDAPA 58.01.02.

The proposed rule text is in legislative format. Language the agency proposes to add is underlined. Language the agency proposes to delete is struck out. It is these additions and deletions to which public comment should be addressed. If adopted by the Idaho Board of Environmental Quality and approved by concurrent resolution of the 2025 Idaho State Legislature, the rule will become effective on July 1, 2025, unless otherwise specified in the concurrent resolution.

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state General Fund greater than ten thousand dollars (\$10,000) during the fiscal year resulting from this rulemaking: Not applicable.

NEGOTIATED RULEMAKING: Negotiated rulemaking was conducted pursuant to Section 67-5220, Idaho Code. On March 6, 2024, the Notice of Intent to Promulgate Rules – Zero-Based Regulation (ZBR) Negotiated Rulemaking was published in the Idaho Administrative Bulletin. At the conclusion of the negotiated rulemaking process, DEQ submitted the draft rule to the Division of Financial Management for review. DEQ formatted the draft for publication as a proposed rule and is now seeking public comment. The negotiated rulemaking record, which includes the negotiated rule drafts, documents distributed during the negotiated rulemaking process, and the negotiated rulemaking summary, is available at <https://www.deq.idaho.gov/petroleum-release-corrective-action-docket-no-58-0124-2401/>.

INCORPORATION BY REFERENCE: Pursuant to Section 67-5229(2)(a), Idaho Code, the following is a brief synopsis of why the materials cited are being incorporated by reference into this rule: Not applicable.

IDAHO CODE SECTION 39-107D STATEMENT: There is no federal law or regulation that is comparable to the Standards and Procedures for Application of Risk Based Corrective Action at Petroleum Release Sites. Therefore, this rule is not broader in scope or more stringent than federal law or regulations.

Section 39-107D, Idaho Code, also applies to a rule which “proposes to regulate an activity not regulated by the federal government.” This rule does not propose to regulate an activity not regulated by the federal government. However, the proposed rule does make revisions to a process currently in the rule that is not specifically delineated or required by the federal government. DEQ previously addressed Sections 39-107D(3) and (4), Idaho Code, when this rule chapter was first promulgated in 2009 under Docket No. 58-0124-0801.

ASSISTANCE ON TECHNICAL QUESTIONS: For assistance on questions concerning this proposed rulemaking, contact Kristi Lowder at kristi.lowder@deq.idaho.gov or (208) 373-0347.

SUBMISSION OF WRITTEN COMMENTS: Anyone may submit written comments regarding this proposed rule. The Department will consider all written comments received on or before August 28, 2024. Submit written comments to:

Kristi Lowder
Department of Environmental Quality
1410 N. Hilton, Boise, ID 83706
kristi.lowder@deq.idaho.gov

Dated this 7th day of August, 2024.

Janeena White
Senior Operations Analyst
Department of Environmental Quality
1410 N. Hilton Street
Boise, Idaho 83706
Phone: (208)373-0502
janeena.white@deq.idaho.gov

THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 58-0124-2401
(ZBR Chapter Rewrite)

~~58.01.24 – STANDARDS AND PROCEDURES FOR APPLICATION OF RISK BASED-~~
~~CORRECTIVE ACTION AT PETROLEUM RELEASE SITES~~ RULES FOR PETROLEUM RELEASE
CORRECTIVE ACTION

000. LEGAL AUTHORITY.

~~Section 39-107(7), and~~ Chapters 1, 36, 44, 72 and 74, Title 39, Idaho Code ~~grant authority to the Board of Environmental Quality to adopt rules and administer programs to protect public health and the environment, including the protection of surface water, ground water, and drinking water quality.~~ (3-31-22)()

001. ~~TITLE, SCOPE AND APPLICABILITY.~~

~~01. Title. These rules are titled IDAPA 58.01.24, “Standards and Procedures for Application of Risk Based Corrective Action at Petroleum Release Sites.” (3-31-22)~~

~~02. Scope. These rules establish standards and procedures to determine whether and what risk-based corrective action measures should be applied to property subject to petroleum release response, assessment, and corrective action cleanup requirements under IDAPA 58.01.02, Sections 851 and 852, “Water Quality Standards,” and associated definitions; IDAPA 58.01.11, Subsection 400.05, “Ground Water Quality Rule;” or when assessment and cleanup requirements are incorporated into compliance documents entered into per Chapter 1, Title 39, Idaho Code. Compliance with these rules shall not relieve persons from the obligation to comply with other applicable state or federal laws. These rules do not apply to previously closed sites releases. The Department will not require any additional evaluation of petroleum sites previously granted closure unless there is a new petroleum release. (3-31-22) ()~~

~~002. WRITTEN INTERPRETATIONS.~~

~~As described in Section 67-5201(19)(b)(iv), Idaho Code, the Department of Environmental Quality may have written statements which pertain to the interpretation of these rules. If available, such written statements can be inspected and copied at cost at the Department of Environmental Quality, 1410 N. Hilton, Boise, Idaho 83706-1255. (3-31-22)~~

~~003. ADMINISTRATIVE PROVISIONS.~~

~~Persons may be entitled to appeal agency actions authorized under these rules pursuant to IDAPA 58.01.23, “Contested Case Rules and Rules for Protection and Disclosure of Records.” (3-31-22)~~

~~004. INCORPORATION BY REFERENCE.~~

~~These rules do not contain documents incorporated by reference. (3-31-22)~~

~~005. AVAILABILITY OF REFERENCED MATERIAL.~~

~~Documents and data bases referenced within these rules are available at the following locations: (3-31-22)~~

~~01. Idaho Risk Evaluation Manual for Petroleum Releases. Idaho Risk Evaluation Manual for Petroleum Releases and subsequent editions, <http://www.deq.idaho.gov>. (3-31-22)~~

~~02. U.S. EPA RAGS. U.S. EPA RAGS, Volume 1, <http://www.epa.gov/oswer/riskassessment/policy.htm#5>. (3-31-22)~~

~~03. U.S. EPA Exposure Factors Handbook. U.S. EPA Exposure Factors Handbook, <http://www.epa.gov/neca/pdfs/efh/front.pdf>. (3-31-22)~~

~~04. Idaho Source Water Assessment Plan. Idaho Source Water Assessment Plan, <http://www.deq.idaho.gov>. (3-31-22)~~

~~05. EPA Regional Screening Tables. EPA Regional Screening Tables, http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm. (3-31-22)~~

~~006. OFFICE HOURS—MAILING ADDRESS AND STREET ADDRESS.~~

~~The state office of the Department of Environmental Quality and the office of the Board of Environmental Quality are located at 1410 N. Hilton, Boise, Idaho 83706-1255, (208) 373-0502, www.deq.idaho.gov. The office hours are 8 a.m. to 5 p.m. Monday through Friday. (3-31-22)~~

~~007. CONFIDENTIALITY OF RECORDS.~~

~~Information obtained by the Department under these rules is subject to public disclosure pursuant to the provisions of Title 74, Chapter 1, Idaho Code, and IDAPA 58.01.21, “Rules Governing the Protection and Disclosure of Records in the Possession of the Idaho Department of Environmental Quality.” (3-31-22)~~

~~008. TABLES.~~

~~01. Chemicals of Interest for Various Petroleum Products. The table of chemicals of interest for various petroleum products is available in Section 800 of these rules. (3-31-22)~~

~~02. Screening Level Concentrations for Soil, Ground Water, and Soil Vapor.~~ The table of screening level concentrations for soil, ground water, and soil vapor is available in the Idaho Risk Evaluation Manual for Petroleum Releases at www.deq.idaho.gov. (3-31-22)

~~03. Default Toxicity Values for Risk Evaluation.~~ The table of default toxicity values for risk evaluation is available in the Idaho Risk Evaluation Manual for Petroleum Releases at www.deq.idaho.gov. (3-31-22)

~~009. ACRONYMS.~~

~~01. EPA.~~ The United States Environmental Protection Agency. (3-31-22)

~~02. PST.~~ Petroleum Storage Tank System. (3-31-22)

~~03. RAGS.~~ Risk Assessment Guidance for Superfund. (3-31-22)

~~04. UECA.~~ Uniform Environmental Covenant Act. See definition in Section 010. (3-31-22)

~~003. -- 009. (RESERVED)~~

~~010. DEFINITIONS.~~

~~For the purpose of the rules contained in IDAPA 58.01.24, "Standards and Procedures for Application of Risk Based Corrective Action at Petroleum Release Sites," the following definitions apply: The terms "department," "person," and "waters" have the same meaning provided for those terms in Section 39-103, Idaho Code. The term "environmental covenant" has the same meaning provided for that term in Section 55-3002, Idaho Code. The terms "petroleum" and "release" have the same meaning provided for those terms in Section 39-7203, Idaho Code.~~

~~(3-31-22)()~~

~~01. Acceptable Target Hazard Index.~~ The summation of the hazard quotients of all chemicals and routes of exposure to which a receptor is exposed and equal to a value of one (1). If the initial value exceeds one (1), further evaluation, including individual organs, can be completed. (3-31-22)

~~02. Acceptable Target Hazard Quotient.~~ The ratio of a dose of a single chemical over a specified time period to a reference dose for that chemical derived for a similar exposure period. A hazard quotient of one (1) for a specified receptor when applied to individual chemicals. A hazard quotient of 0.1 (zero point one) for a specified receptor when multiple chemicals and/or exposure routes are present. (3-31-22)()

~~03. Acceptable Target Risk Level.~~ Acceptable risk level for human exposure to carcinogens. For exposure to individual carcinogens a lifetime excess cancer risk of less than or equal to one per one million (1 E-6) for a receptor at a reasonable maximum exposure. For combined exposure to all carcinogens and routes of exposure, a lifetime excess cancer risk of less than or equal to one per one hundred thousand (1 E-5) for a receptor at a reasonable maximum exposure. (3-31-22)

~~04. Activity and Use Limitations.~~ Restrictions or obligations, with respect to real property, created by an environmental covenant. Activity and use limitations may include, but are not limited to, land use controls, activity and use restrictions, environmental monitoring requirements, and site access and security measures. Also known as institutional controls. (3-31-22)

~~05. Background.~~ Media specific concentration of a chemical that is consistently present in the environment in the vicinity of a site which is the result of human activities unrelated to release(s) from that site under investigation. (3-31-22)

~~06. Board.~~ The Idaho Board of Environmental Quality. (3-31-22)

~~07. Corrective Action Plan (CAP).~~ A document, subject to approval by the Department, ~~which that~~ describes: ()

~~a. describes~~ The actions and measures that will be implemented to ensure that adequate protection of human health and the environment is achieved and maintained. ~~A corrective action plan also;~~ and ()

~~b. describes~~ The applicable remediation standards. ~~Also may~~ May also be known as a risk management plan or a remediation workplan. (3-31-22)()

087. Delineated Source Water Protection Area. The physical area around a public drinking water supply well or surface water intake identified in an approved Department source water assessment that contributes water to a well (the zone of contribution). The size and shape of the delineated source water area depend on the delineation method and site-specific factors. The area may be mapped as a one thousand (1000) ft. fixed radius around the well (transient public water systems) or divided into three (3), six (6), and ten (10) year time of travel zones (e.g. zones indicating the number of years necessary for a particle of water to reach a well or surface water intake). For the purposes of these rules, where ground-water time of travel zones have been delineated, the three (3) year time of travel zone shall apply. Where surface water systems have been delineated, this area includes a five hundred (500) ft. buffer around a lake or reservoir, or a five hundred (500) ft. buffer along the four (4) hour upstream time of travel of streams. See the Idaho Source Water Assessment Plan. (3-31-22)()

~~09. Department.~~ The Idaho Department of Environmental Quality. (3-31-22)

08. Dissolved Product. Petroleum product constituents found in solution with water. ()

~~10. Environmental Covenant.~~ As defined in the Uniform Environmental Covenant Act (UECA), Chapter 30, Title 55, Idaho Code, an environmental covenant is a servitude arising under an environmental response project that imposes activity and use limitations. (3-31-22)

1409. Exposure Point Concentration. The average concentration of a chemical to which receptors are exposed over a specified duration within a specified geographical area. The exposure point concentration is typically a conservative estimate of the mean. Also referred to as the representative concentration. (3-31-22)

~~12. Hazard Quotient.~~ The ratio of a dose of a single chemical over a specified time period to a reference dose for that chemical derived for a similar exposure period. (3-31-22)

130. Method Detection Limit. The minimum concentration of a substance that can be reported with ninety-nine percent (99%) confidence is greater than zero. Method detection limits can be operator, method, laboratory, and matrix specific. (3-31-22)

141. Operator. Any person presently or who was at any time during a release in control of, or responsible for, the daily operation of the petroleum storage tank (PST) system. (3-31-22)

152. Owner. Any person who owns or owned a PST system any time during a release and the current owner of the property where the PST system is or was located. (3-31-22)

~~16. Person.~~ An individual, public or private corporation, partnership, association, firm, joint stock company, joint venture, trust, estate, state, municipality, commission, political subdivision of the state, state or federal agency, department or instrumentality, special district, interstate body, or any legal entity which is recognized by law as the subject of rights and duties. (3-31-22)

~~17. Petroleum.~~ Crude oil or any fraction thereof that is liquid at standard conditions of temperature and pressure (sixty (60) degrees Fahrenheit and fourteen and seven tenths (14.7) pounds per square inch absolute). This includes petroleum-based substances comprised of a complex blend of hydrocarbons derived from crude oil through processes of separation, conversion, upgrading, and finishing, such as motor fuels, jet fuels, distillate fuel oils, residual fuel oils, and lubricants. (3-31-22)

183. Petroleum Storage Tank (PST) System. Any one (1) or combination of storage tanks or other containers, including pipes connected thereto, dispensing equipment, and other connected ancillary equipment, and stationary or mobile equipment, that contains petroleum or a mixture of petroleum with de minimis quantities of other

regulated substances. (3-31-22)

194. Practical Quantitation Limit. The lowest concentration of a chemical that can be reliably quantified among laboratories within specified limits of precision and accuracy for a specific laboratory analytical method during routine laboratory operating conditions. Specified limits of precision and accuracy are the criteria listed in the calibration specifications or quality control specifications of an analytical method. Practical quantitation limits can be operator, method, laboratory, and matrix specific. (3-31-22)

2015. Reasonable Maximum Exposure. The highest exposure that can be reasonably expected to occur for a human or other living organism at a site under current and potential future site use. (3-31-22)

2416. Reference Dose. For chronic or long-term exposures an estimate of a daily exposure level to a chemical for the human population, including sensitive subpopulations, that is likely to be without an appreciable risk of deleterious noncarcinogenic effects during a lifetime, expressed in units of milligrams per kilogram body weight per day. (3-31-22)

~~22. Release. Any spilling, leaking, emitting, discharging, escaping, leaching, or disposing from a PST into soil, ground water, or surface water. (3-31-22)~~

2317. Remediation Standard. A media specific concentration ~~which that~~, when attained, is considered to provide adequate protection of human health and the environment. (3-31-22)()

2418. Residential Use. Residential use means land uses ~~which that~~ include residential or sensitive populations. (3-31-22)()

2519. Risk-Based Concentration. The residual media specific concentration of a chemical that is determined to be protective of human health and the environment under specified exposure conditions. (3-31-22)

260. Risk Evaluation. The process used to determine the probability of an adverse effect due to the presence of a chemical. A risk evaluation includes development of a ~~site~~ conceptual ~~site~~ model, identification of the chemicals present in environmental media, assessment of exposure and exposure pathways, assessment of the toxicity of the chemicals present, characterization of human risks, and characterization of impacts or risks to the environment. (3-31-22)()

271. Screening Level. A media specific concentration ~~which that~~, based on specified levels of risk or hazard, exposure pathways and routes of exposure, expected land use, and exposure factors, can be used to assess the need for additional investigation or corrective action. (3-31-22)()

282. Slope Factor. A plausible upper-bound estimate of the probability of an individual developing cancer as a result of a lifetime of exposure to a particular level of a potential carcinogen. It is expressed as the probability of a response per unit intake of a chemical over a lifetime. (3-31-22)

~~29. Uniform Environmental Covenant Act (UECA). UECA is found in Chapter 30, Title 55, Idaho Code. UECA provides a statutory mechanism for creating, modifying, enforcing and terminating environmental covenants. (3-31-22)~~

011. -- ~~09959~~. (RESERVED)

060. PETROLEUM RELEASE REPORTING, INVESTIGATION, AND CONFIRMATION.

01. Reporting of Suspected Releases. Owners and operators of petroleum storage tank (PST) systems must report to the Department within twenty-four (24) hours and follow the procedures in Subsection 060.03 for any of the following conditions. ()

a. The discovery by owners and operators or others of a petroleum release at the PST site or in the surrounding area other than spills and overfills described in Subsection 060.04, such as the presence of free product or dissolved product in nearby surface water or groundwater or vapors in soils, basements, sewer or utility lines.

()

b. Unusual operating conditions observed by owners and operators such as the erratic behavior of product dispensing equipment, the sudden loss of product from the PST system, liquid in the interstitial space of secondarily contained systems, or an unexplained presence of water in the PST system, unless system equipment is found to be defective but not leaking, and is immediately repaired or replaced. ()

c. Monitoring results, including investigation of an alarm, from a release detection method that indicate a release may have occurred unless the monitoring device is found to be defective, and is immediately repaired, recalibrated or replaced, and additional monitoring does not confirm the initial result. ()

02. Investigation Due to Off-Site Impacts. When required by the Department, owners and operators must follow the procedures in Subsection 060.03 to determine if the PST system is the source of off-site impacts. These impacts include the discovery of petroleum, such as the presence of free product or dissolved product in nearby surface water or groundwater or vapors in soils, basements, sewer, and utility lines. ()

03. Release Investigation and Confirmation Steps. Unless corrective action is initiated in accordance with Section 061, owners and operators must immediately investigate and confirm all suspected releases of petroleum within seven (7) days, or another time period specified by the Department, of discovery and using at least one (1) of the following steps or another procedure approved by the Department: ()

a. Conduct tightness tests or, as appropriate, secondary containment testing that determine whether a leak exists in any portion of the PST system, including the tank, the attached delivery piping, a breach of either wall of the secondary containment, and any connected tanks and piping. All such portions can be tested either separately or together or in combinations thereof. ()

i. Repair, replace or upgrade the PST system in accordance with applicable federal, state and local laws, and begin corrective action in accordance with Section 061 if the test results for the system, tank, or delivery piping indicate that a leak exists. ()

ii. Further investigation is not required if the test results for the system, tank, and delivery piping do not indicate that a leak exists and if environmental contamination is not the basis for suspecting a release. ()

iii. Conduct a site check as described in Subsection 060.03.b, if the test results for the system, tank, and delivery piping do not indicate that a leak exists but environmental contamination is the basis for suspecting a release. ()

b. Measure for the presence of a release where contamination is most likely to be present. In selecting sample types, sample locations, and measurement methods, owners and operators must consider the nature of the petroleum, the type of initial alarm or cause for suspicion, the type of backfill, the depth of groundwater, and other factors appropriate for identifying the presence and source of the release. Methods of sample collection and sample analysis are subject to these rules and Department approval. ()

i. If a release has occurred, begin corrective action in accordance with Section 061. ()

ii. If test results for the PST system do not indicate that a release has occurred, further investigation is not required. ()

04. Reporting and Cleanup of Above Ground Releases. Owners and operators shall contain and immediately clean up an above ground release of petroleum only after identifying and mitigating any fire, explosion, and vapor hazards. ()

a. A release that exceeds twenty-five (25) gallons or that causes a sheen on nearby surface water must be reported to the Department within twenty-four (24) hours and begin corrective action in accordance with Section 061. ()

b. A release that is less than twenty-five (25) gallons and does not cause a sheen on nearby surface

water must be reported to the Department only if cleanup cannot be accomplished within twenty-four (24) hours. ()

061. PETROLEUM RELEASE RESPONSE AND CORRECTIVE ACTION.

01. Release Response. Upon confirmation of a petroleum release in accordance with Section 060 or after a release from the PST system is identified in any other manner, owners and operators must perform the following initial response actions within twenty-four (24) hours: ()

a. Identify and mitigate fire, explosion and vapor hazards; ()

b. Take immediate action to prevent any further release of petroleum into the environment; and ()

c. Report the release to the Department. ()

02. Initial Abatement Measures. Unless directed to do otherwise by the Department, owners and operators must perform the following abatement measures: ()

a. Remove as much of the petroleum from the leaking PST system as is necessary to prevent further release to the environment; ()

b. Visually inspect any above ground releases or exposed below ground releases and prevent further migration of the released substance into surrounding soils, surface water and groundwater; ()

c. Continue to monitor and mitigate any additional fire and safety hazards posed by vapors or free product that have migrated from the PST site and entered into subsurface structures such as sewers or basements; and ()

d. Remedy hazards posed by contaminated soils that are excavated or exposed as a result of release confirmation, site investigation, abatement, or corrective action activities. If these remedies include treatment or disposal of soils, the owner and operator must comply with applicable state and local requirements. ()

03. Initial Site Characterization. Unless directed to do otherwise by the Department, owners and operators must assemble information about the site and the nature of the release, including information gained while confirming the release or completing the initial abatement measures in Subsection 061.02. This information includes, but is not necessarily limited to the following data: ()

a. On the nature and estimated quantity of release; ()

b. From available sources and site investigations concerning the following factors: surrounding populations, water quality, use and approximate location of wells potentially affected by the release, subsurface soil condition, locations of subsurface sewers, climatological conditions, and land use; and ()

c. From measurements that assess the site for the presence of petroleum contamination including measurements; ()

i. For the presence of a release where contamination is most likely to be present, unless the presence and source of the release have been confirmed in accordance with the site check described in Subsection 060.03.b, or the closure site assessments required by applicable federal, state, or local laws. Sample types, sample locations and analytical methods are subject to these rules and Department approval and will be based on consideration of the nature of the petroleum, the type of backfill, depth to groundwater, and other factors appropriate for identifying the presence and source of the release; and ()

ii. To determine the presence of free product. ()

d. Within forty-five (45) days of release confirmation, or another time specified by the Department,

owners and operators must submit the information collected in compliance with Subsection 061.03 to the Department in a manner that demonstrates its applicability and technical adequacy to be reviewed as follows, if the Department determines that the information shows: ()

- i. That no further corrective action is required, owners and operators will be notified accordingly; ()
- ii. Contamination is limited to soils, owners and operators must treat or dispose of contaminated soils in accordance with Department guidelines, and need not perform any further corrective action; ()
- iii. That any of the conditions in Subsections 061.05.a. through 061.05.c. exist, owners and operators must comply with the provisions in Subsections 061.04 through 061.07. ()

04. Free Product Removal. At sites where investigations under Subsection 061.03.c.ii. indicate the presence of free product, owners and operators must remove free product to the maximum extent practicable as determined by the Department while continuing, as necessary, any actions initiated under Subsections 061.01 through 061.03 or preparing for actions under Subsections 061.05 and 061.06. In meeting the provisions of Subsection 061.04, owners and operators must: ()

a. Conduct free product removal in a manner that minimizes the spread of contamination into previously uncontaminated areas by using recovery and disposal techniques appropriate to the hydrogeologic conditions at the site, and that properly treats, discharges or disposes of recovery by-products in compliance with applicable local, state and federal regulations; ()

b. Use abatement of free product migration as a minimum objective for the design of the free product removal system; ()

c. Handle any flammable products in a safe and competent manner to prevent fires or explosions; and ()

d. Unless directed to do otherwise by the Department, submit to the Department for review and approval, within forty-five (45) days after confirming a release, a free product removal report that provides at least the following information: ()

- i. The name of the person(s) responsible for implementing the free product removal measures; ()
- ii. The estimated quantity, type and thickness of free product observed or measured in wells, boreholes, and excavations; ()
- iii. The type of free product recovery system used; ()
- iv. Whether any discharge will take place on-site or off-site during the recovery operation and where this discharge will be located; ()
- v. The type of treatment applied to, and the effluent quality expected from, any discharge; ()
- vi. The steps that have been or are being taken to obtain necessary permits for any discharge; and ()
- vii. The disposition of the recovered free product. ()

05. Investigations for Soil and Water Cleanup. If any of the conditions in Subsections 061.05.a. through 061.05.c. exist, and unless directed to do otherwise by the Department, owners and operators must notify the Department and conduct investigations in accordance with Subsection 061.05.d. of the release, the release site, and the surrounding area possibly affected by the release in order to determine the full extent and location of soils contaminated by the petroleum release and the presence and concentrations of dissolved product contamination in the

groundwater or surface water: ()

a. There is evidence that groundwater or surface water has been affected by the release such as found during release confirmation or previous corrective action measures: ()

b. Free product is found to need recovery in compliance with Subsection 061.04: ()

c. There is evidence that contaminated soils may affect nearby groundwater, surface water or the public health and have not been treated or disposed of in accordance with Subsection 061.03.d.ii. ()

d. Unless determined otherwise by the Department, investigations conducted under Subsection 061.05 are subject to these rules and include, but are not limited to: ()

i. The physical and chemical characteristics of the petroleum product including its toxicity, persistence, and potential for migration: ()

ii. The type and age of the PST system, inventory loss, and type of containment failure: ()

iii. The hydrogeologic characteristics of the release site and the surrounding area: ()

iv. The background concentrations of contaminants in soil, surface water and groundwater: ()

v. A site drawing, showing boring and monitoring well locations, nearby structures, underground utilities, drainage ditches, streams, suspected locations of leakage, direction of groundwater flow, and any domestic or irrigation wells within a one half (1/2) mile radius of the site: ()

vi. Information on ownership and use of any well identified pursuant to Subsection 061.05.d.v.: ()

vii. Site borings and well logs and rationale for choosing drilling locations, and a description of methods and equipment used for all water and soil sampling: ()

viii. A description of contaminant stratigraphy with accompanying geologic cross-section drawings: ()

ix. A demonstration and description of the horizontal and vertical extent of contamination, free product thickness, modes and rate of contaminant transport, and concentrations of dissolved constituents in surface water and groundwater: ()

x. The potential effects of residual contamination on nearby surface water and groundwater; and ()

xi. A discussion of laboratory analytical methods and information pertaining to laboratory certification. ()

e. Owners and operators must submit the information collected in investigating the release site in compliance with Subsection 061.05 for the Department's review and approval in accordance with a schedule established by the Department as provided in Subsection 061.07. ()

06. CAP. At any point after reviewing the information submitted in compliance with Subsections 061.01 through 061.05, the Department may require owners and operators to submit additional information or to develop and submit a CAP for responding to contaminated soils, surface water and groundwater. If a CAP is required, owners and operators must submit the CAP according to a consent order or a schedule and criteria established by the Department as provided in Subsection 061.07. ()

a. The Department will approve the CAP only after ensuring that implementation of the plan will adequately protect human health and the environment. In making this determination, the Department will consider the

- following factors as appropriate: ()
- i. The maximum contaminant levels for drinking water or other health-based levels for water and soil that consider the potential exposure pathway of the petroleum product; ()
 - ii. The physical and chemical characteristics of the petroleum product including its toxicity, persistence, and potential for migration; ()
 - iii. The hydrogeologic characteristics of the release site and the surrounding area; ()
 - iv. The proximity, quality, and current and future uses of nearby surface water and groundwater; ()
 - v. The potential effects of residual contamination on nearby surface water and groundwater; and ()
 - vi. Other information assembled in compliance with Section 060. ()
- b.** The CAP must include, but not be limited to, the following information as applicable: ()
- i. Description of remediation standards, points of exposure, and points of compliance where remediation standards will be achieved; ()
 - ii. Description of remedial strategy and actions that will be taken to achieve the remediation standards; ()
 - iii. Current and reasonably anticipated future land use and use of on-site and immediately adjacent off-site groundwater and surface water; ()
 - iv. Activity and use limitations, if any, that will be required as part of the remedial strategy; ()
 - v. Proposed environmental covenants, developed to implement activity and use limitations, in accordance with Section 600; ()
 - vi. Estimated timeline for completion; ()
 - vii. Monitoring Plan to monitor effectiveness of remedial actions; ()
 - viii. Description of practical quantitation limits as they apply; and ()
 - ix. Description of background concentrations as they apply. ()
- c.** Upon approval of the CAP pursuant to Subsection 200.04 or as directed by the Department, owners and operators must: ()
- i. Implement the plan including modification to the plan made by the Department; and ()
 - ii. Monitor, evaluate, and report the results of implementing the CAP in accordance with a consent order or a schedule and criteria established by the Department as provided in Subsection 061.07. ()
- d.** Owners and operators may begin cleanup of soil, surface water, and groundwater before the CAP is approved provided that they: ()
- i. Notify the Department of their intention to begin cleanup; ()
 - ii. Comply with any conditions imposed by the Department, including halting cleanup or mitigating adverse consequences from cleanup activities; and ()

iii. Incorporate the self-initiated cleanup measures in the CAP submitted to the Department for approval. ()

07. Compliance. If the Department determines that any of the conditions in 061.05.a. through 061.05.c. exist, owners and operators will be given an opportunity to enter into a consent order with the Department. ()

a. The Department will send owners and operators a consent order that sets forth at least the following schedules: ()

i. For owners and operators to submit the information collected in investigating the release site in compliance with Subsection 061.05; ()

ii. For owners and operators to submit, and criteria for, a CAP in compliance with Subsection 061.06; ()

iii. For the Department to review, modify, and approve the site release investigation and CAP; and ()

iv. For owners and operators to implement a CAP, and monitor, evaluate, and report the results of implementing the CAP. ()

b. Owners and operators will be given thirty (30) days from receipt of the consent order in which to reach an agreement with the Department regarding the terms of the consent order. ()

c. If owners and operators cannot reach an agreement with the Department within thirty (30) days, the Department will establish a schedule and criteria which owners and operators must comply in order to meet the provisions of Subsections 061.05 and 061.06. ()

062. -- 099. (RESERVED)

100. CHEMICALS EVALUATED AT PETROLEUM RELEASE SITES.

01. General Applicability. ~~For petroleum sites governed by Sections 851 and 852 of IDAPA 58.01.02, "Water Quality Standards,"~~ The chemicals listed in Section 800, table of chemicals of interest for various petroleum products, will be evaluated based on the specific petroleum product or products known or suspected to have been released. (3-31-22)()

02. Additional Chemicals. Evaluation of non-petroleum chemicals in addition to those in Section 800, table of chemicals of interest for various petroleum products, may be required by the Department when there is a reasonable basis based on site-specific information. A reasonable basis ~~shall~~ will be demonstrated by the Department when it can show documentation of releases or suspected releases of other non-petroleum chemicals. (3-31-22)()

101. -- 199. (RESERVED)

200. RISK EVALUATION PROCESS.

The following risk evaluation process ~~shall~~ must be used for petroleum releases ~~in accordance with the Petroleum Release Response and Corrective Action Rules described in IDAPA 58.01.02, "Water Quality Standards," Section 852 EPA's RSL Calculator (<https://epa-prgs.ornl.gov/cgi-bin/chemicals/cssearch>) and VISL Calculator (<https://epa-visl.ornl.gov/cgi-bin/vislsearch>), or other approved methods, may be used for screening and risk evaluations.~~ (3-31-22)()

01. Screening Evaluation. The screening evaluation may be performed at any time during the release response and corrective action process ~~described in IDAPA 58.01.02, "Water Quality Standards," Section 852. The screening evaluation shall~~ and must include, at a minimum: (3-31-22)()

- a. Collection of media-specific (soil, surface water, ground-water, soil vapor) data; ~~and~~ (3-31-22)()
- b. Identification of maximum soil, ground-water, and soil vapor petroleum chemical concentrations for the chemicals identified in Section 800, ~~table of chemicals of interest for various petroleum products~~, as appropriate for the petroleum product or products released; ~~and~~ (3-31-22)()
- c. Comparison of the maximum media-specific petroleum contaminant concentrations to the EPA regional screening levels ~~identified in the table of screening level concentrations for soil, ground water, and soil vapor in the Idaho Risk Evaluation Manual for Petroleum Releases (<https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>)~~. If the maximum media-specific petroleum contaminant concentrations at a site do not exceed the screening levels, the owner and/or operator may petition for site closure, subject to other Department regulatory obligations. If the maximum media-specific concentrations at a site exceed the screening levels, the owner and/or operator ~~shall~~ must proceed to: (3-31-22)()
- i. Adopt the screening levels as cleanup levels remediation standards and develop a corrective action plan CAP to achieve those levels pursuant to Subsection ~~200.03 061.06.b~~; or (3-31-22)()
- ii. Perform a site-specific risk evaluation pursuant to Section 300. The Department may require the collection of additional site-specific data prior to the approval of the risk evaluation. (3-31-22)()

02. Results of Risk Evaluation. If the results of the approved risk evaluation do not exceed the acceptable target risk level, acceptable target hazard quotient, or acceptable target hazard index specified in Section 300, the owner and/or operator may petition for site closure, subject to other Department regulatory obligations. If the results of the approved risk evaluation indicates exceedance of the acceptable target risk level, acceptable target hazard quotient, or acceptable target hazard index specified in Section 300, the risk evaluation ~~shall~~ must: (3-31-22)()

- a. Be modified by collection of additional site-specific data, or review of chemical toxicological information, and resubmitted to the Department for review and approval; or (3-31-22)
- b. Provide the basis for the development of risk-based concentrations, establishment of remediation standards as described in Section 400, and development of a corrective action plan CAP. (3-31-22)()

~~03. Development and Implementation of Corrective Action Plan.~~ ~~A Corrective Action plan required as a result of the risk evaluation process described in Section 200 shall include, but not be limited to, the following information, as applicable:~~ (3-31-22)

- ~~a. Description of remediation standards, points of exposure, and points of compliance where remediation standards shall be achieved; (3-31-22)~~
- ~~b. Description of remedial strategy and actions that will be taken to achieve the remediation standards; (3-31-22)~~
- ~~c. Current and reasonably anticipated future land use and use of on-site and immediately adjacent off-site ground water, and surface water; (3-31-22)~~
- ~~d. Activity and use limitations, if any, that will be required as part of the remedial strategy; (3-31-22)~~
- ~~e. Proposed environmental covenants, developed to implement activity and use limitations, in accordance with Section 600; (3-31-22)~~
- ~~f. Estimated timeline for completion; and (3-31-22)~~
- ~~g. Monitoring Plan to monitor effectiveness of remedial actions. (3-31-22)~~

- ~~h.~~ Description of practical quantitation limits as they apply. (3-31-22)
- ~~i.~~ Description of background concentrations as they apply. (3-31-22)

043. Department Review and Approval of Risk Evaluation or ~~Corrective Action Plan CAP~~. Within thirty (30) days of receipt of the risk evaluation or ~~corrective action plan CAP~~, the Department ~~shall~~ will provide in writing either approval, approval with modifications, or rejection of the risk evaluation or ~~corrective action plan CAP~~. If the Department rejects the risk evaluation or ~~corrective action plan CAP~~, it ~~shall~~ will notify the owner and/or operator in writing specifying the reasons for the rejection. If the Department needs additional time to review the documents, it will provide written notice to the owner and/or operator that additional time to review is necessary and will include an estimated time for review. Extension for review time ~~shall~~ will not exceed one hundred eighty (180) days without a reasonable basis and written notice to the owner and/or operator. (3-31-22)()

201. -- 299. (RESERVED)

300. SITE-SPECIFIC RISK EVALUATION ~~REQUIREMENTS~~.

01. General Requirements. The general requirements for human health risk evaluations ~~shall~~ must include, at a minimum: (3-31-22)()

a. A conceptual site model ~~which~~ that describes contaminant sources; release mechanisms; the magnitude, spatial extent, and temporal trends of petroleum contamination in all affected media; transport routes; current and reasonably likely future land use and human receptors; and relevant exposure scenarios. (3-31-22)()

b. Toxicity ~~i~~ information derived from appropriate sources including, but not limited to, those listed in Subsection 300.01.e. (3-31-22)()

c. Data quality objectives and sampling approaches based on the conceptual site model that support the risk evaluation and risk management process. (3-31-22)

d. Estimated exposure point concentrations for a reasonable maximum exposure based on a conservative estimate of the mean of concentrations of chemicals that would be contacted by an exposed receptor. (3-31-22)

e. Exposure analysis including identification of contaminants of concern, potentially exposed populations, pathways and routes of exposure, exposure point concentrations and their derivation, and a quantitative estimate of reasonable maximum exposure for both current and reasonably likely future land and water use scenarios. Appropriate reference sources of reasonable maximum exposure factor information may include, but are not limited to: The EPA RSL and VISL calculators are appropriate sources of reasonable maximum exposure factor information. Alternative sources must be reasonably justified. (3-31-22)()

- ~~i.~~ U.S. EPA RAGS, Volume 1; (3-31-22)
- ~~ii.~~ U.S. EPA Exposure Factors Handbook; (3-31-22)
- ~~iii.~~ Idaho Risk Evaluation Manual for Petroleum Releases; and (3-31-22)
- ~~iv.~~ Other referenced technical publications. (3-31-22)

f. Risk characterization presenting the quantitative human health risks and a qualitative and quantitative assessment of uncertainty for each portion of the risk evaluation. (3-31-22)

g. Risk evaluations may include the use of transport and fate models, subject to Department approval of the model and the data to be used for the parameters specified in the model. (3-31-22)

02. Specific Requirements. Human health risk evaluations ~~shall~~ must, at a minimum: (3-31-22)()

- a. Utilize an acceptable target risk level as defined in Section 010; (3-31-22)
- b. Utilize an acceptable target hazard index as defined in Section 010; (3-31-22)
- c. Utilize an acceptable target hazard quotient as defined in Section 010; (3-31-22)
- d. Evaluate the potential for exposure from: (3-31-22)
 - i. Ground-water ingestion; (~~3-31-22~~)()
 - ii. Direct contact with contaminated soils resulting from soil ingestion, dermal contact, and inhalation of particulates and vapors; (3-31-22)
 - iii. Indoor inhalation of volatile chemicals via ~~volatilization~~ volatilization of chemicals from soil, ground-water, or free phase product; (~~3-31-22~~)()
 - iv. Ingestion, inhalation, or dermal exposure to ground-water and/or surface water ~~which that~~ has been impacted by contaminants that have leached from the soils; and (~~3-31-22~~)()
 - v. Other complete or potentially complete routes of exposure; (3-31-22)
- e. Evaluate the potential for exposure to: (3-31-22)
 - i. Adult and child residential receptors; (3-31-22)
 - ii. Adult construction and utility workers; (3-31-22)
 - iii. Aquatic life; (3-31-22)
 - iv. Recreational receptors; and (3-31-22)
 - v. Other relevant potentially exposed receptors; (3-31-22)
- f. Evaluate the potential for use of impacted ground-water for ingestion based on: (~~3-31-22~~)()
 - i. The current and historical use of the ground-water for drinking water or irrigation; (~~3-31-22~~)()
 - ii. The location and approved use of existing ground-water wells in a one half (½) mile radius from the contaminated site at the release point; (~~3-31-22~~)()
 - iii. The degree of hydraulic connectivity between the impacted ground-water and other ground-water bearing zones or surface water; and (~~3-31-22~~)()
 - iv. The location of delineated source water protection areas for public drinking water systems. (3-31-22)

301. -- 399. (RESERVED)

400. ESTABLISHMENT OF REMEDIATION STANDARDS.

If, as a result of the assessment and risk evaluation completed as described in Section 300, it is determined that corrective action is required, remediation standards ~~shall~~ must be established. The remediation standards established in these rules ~~shall~~ must be no more stringent than applicable or relevant and appropriate federal and state standards and are consistent with Section 121 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. Section 9621) and Section 39-107D(2), Idaho Code, taking into consideration site-specific conditions. These standards, and any activity use limitations proposed for the site, ~~shall~~ must be established as part of a ~~corrective action plan~~ CAP approved in writing by the Department. The standards may consist of the following or combinations of the following. (~~3-31-22~~)()

01. **Screening Levels.** The petroleum contaminant concentrations in soil, ground-water, and soil vapor in the ~~table of screening level concentrations for soil, ground water, and soil vapor in the Idaho Risk Evaluation Manual for Petroleum Releases~~ EPA RSLs Tables. (3-31-22)()

02. **Risk-Based Levels.** Site-specific, media-specific petroleum contaminant concentrations established in accordance with the risk evaluation procedures ~~and requirements~~ described in Section 300. (3-31-22)()

03. **Generic Health Standards.** An established state or federal generic numerical health standard ~~which that~~ achieves an appropriate health-based level so that any substantial present or probable future risk to human health or the environment is eliminated or reduced to protective levels based upon present and reasonably anticipated future uses of the site. (3-31-22)()

~~04. **Other.** Remediation standards may be a combination of standards found in Subsections 400.01 through 400.03.~~ (3-31-22)

401. -- 499. (RESERVED)

500. FACTORS WHEN PRACTICAL QUANTITATION LIMITS ARE GREATER THAN SCREENING LEVELS ~~AND CLEANUP LEVELS.~~

Practical quantitation limits may be greater than screening levels or risk-based concentrations for certain chemicals. In such cases the following factors, or others, may be used in allowing practical quantitation limits as remediation standards. (3-31-22)()

01. **Analytical Method.** The published or expected practical quantitation limit for a specific chemical and method, and the availability of other methods ~~which that~~ may enable lower practical quantitation limits to be achieved. (3-31-22)()

02. **Method Detection Limit.** The magnitude of the difference between the stated practical quantitation limit and the method detection limit. (3-31-22)

03. **Sampling Procedures.** The availability of alternative sampling procedures ~~which that~~ may enable lower practical quantitation limits to be achieved. (3-31-22)()

04. **Estimated Risk Levels.** The estimated risk levels when site concentrations are assumed to be at the practical quantitation limit. (3-31-22)

~~05. **Other.** Site specific factors other than those listed above.~~ (3-31-22)

501. -- 599. (RESERVED)

600. ACTIVITY AND USE LIMITATIONS.

01. **Purpose.** The provisions of the Uniform Environmental Covenants Act (UECA), Chapter 30, Title 55, Idaho Code, may be utilized to create restrictions and ~~or~~ obligations regarding activity and use to protect the integrity of a cleanup action and assure the continued protection of human health and the environment. Activity and use limitations ~~shall~~ may be proposed as elements of a ~~corrective action plan~~ CAP in at least the following circumstances: (3-31-22)()

a. Where onsite current or proposed land use is not residential and maximum residual site concentrations are greater than screening levels for residential use; (3-31-22)

b. Where onsite current or proposed land use is not residential and the risk or hazard calculated for residential receptors through an approved risk evaluation is unacceptable; (3-31-22)

c. Where off-site ground-water concentrations exceed residential use screening levels or risk-based

concentrations; or (3-31-22)()

d. When the Department determines, based upon the proposed ~~corrective action plan CAP~~, that such activity and use limitations are required to assure the continued protection of human health and the environment or the integrity of the cleanup action. (3-31-22)()

02. **Documentation of Controls.** Activity and use limitations, approved by the Department, ~~shall~~ **must** be described in an environmental covenant executed pursuant to the UECA and ~~shall~~ **must** be incorporated into a ~~corrective action plan CAP~~. (3-31-22)()

03. ~~**Removal of Activity and Use Limitations.** Activity and use limitations may be removed from a site in accordance with Sections 55-3009 and 55-3010, Idaho Code, of UECA.~~ (3-31-22)

601. -- 699. (RESERVED)

700. ~~**DEVELOPMENT OF GUIDANCE MANUAL.**~~

~~The Department will prepare a risk evaluation manual for petroleum releases which will be used as guidance for implementation of these rules. The Department will, through public notice, invite the Board of Trustees established in Section 41-4904, Idaho Code, and members of the public, including the regulated community, to participate in the process to provide input to the Department in developing this manual. If the Department identifies the need for future substantive revisions of the risk evaluation manual for petroleum releases, the Department will follow the same public notice process as described above.~~ **If any material revisions to the risk evaluation manual for petroleum releases are required, the Department will, through public notice, invite the Board of Trustees established in Section 41-4904, Idaho Code, and members of the public, including the regulated community, to participate in making such revisions. Material revisions are those changes that result in, or could result in, a different interpretation or use of any provision of the guidance manual.** (3-31-22)()

701. -- 799. (RESERVED)

800. **TABLE.**

Chemicals of Interest for Various Petroleum Products:

CHEMICALS OF INTEREST FOR VARIOUS PETROLEUM PRODUCTS				
Chemical	Gasoline/ JP-4/ AVG v gas	Diesel/ Fuel Oil No. 2/ Kerosene	Fuel Oil No.4	Jet Fuels (Jet A, JP-5, JP-8)
Benzene	X	X		X
Toluene	X	X		X
Ethyl benzene	X	X		X
Xylenes (mixed)	X	X		X
Ethylene Dibromide 1,2 Dibro- moethane (EDB)¹	X ⁺			
1,2 Dichloroethane (EDC) ¹	X ⁺			
Methyl Tert-Butyl Ether (MTBE)	X			
Acenaphthene ²		X	X	X
Anthracene ²		X	X	X
Benzo(a)pyrene ²		X	X	X
Benzo(b)fluoranthene ²		X	X	X

CHEMICALS OF INTEREST FOR VARIOUS PETROLEUM PRODUCTS				
Chemical	Gasoline/ JP-4/ AVG gas	Diesel/ Fuel Oil No. 2/ Kerosene	Fuel Oil No.4	Jet Fuels (Jet A, JP-5, JP-8)
Benzo(k)fluoranthene ²		X	X	X
Benz(a)anthracene		X	X	X
Chrysene ²		X	X	X
Fluorene ²		X	X	X
Fluoranthene ²		X	X	X
Naphthalene	X	X	X	X
Pyrene ²		X	X	X
X ¹ Leaded- Regular 0 only ² Vapor intrusion is not applicable because there is no inhalation toxicity information and/or the chemical is not sufficiently volatile and toxic to pose an inhalation risk from a soil or groundwater source.				

(3-31-22)()

801. -- 999. (RESERVED)