



1.0 TRACKING INFORMATION

INSTRUCTIONS

Phone:

Email:

- This application must address the entire area of potential environmental concern (APEC) that is a result of the substance release that is the subject of this application.
- The application must be consistent with the standards and guidelines at the time of the application.

Submission date:				Release Reporting Reference Number:					
Environme Approval N		n and Enhand	cement Act (EPL	EA)	Wat	<i>er Act</i> Appro	val Number:		
Public Land	ds Disposition	:			Othe	er Activities:			
2.0 LEG	AL LAND D	ESCRIPTI	ON						
	-		d that was the		-				
Land type:	* Private	Special A		l (speci	ify pub	olic lands dispos	sition number in S	Section 1.0)	Municipal
•		<u> </u>	nd (if applicable):						
		-	of land. Provide					-	
Plan	Block	Lot	Quarter	LSD)	Section	Township	Range	Meridian
									<u> </u>
									<u> </u>
									<u> </u>
Additional i	nformation (G	PS, location rela	ative to landmark):						
2.2 Lando	owner(s) of	the parcel o	of land that wa	as th	e or	iginal sour	ce of the su	ıbstance r	elease
Landowner	(s): Sam	ne as applica	nt — proceed to sec	ction 2.3	3				
If registered	d landowner(s	s) is/are differ	ent than applica	int:					
Name: Name:				Name:					
Mailing Address:			Mailing Address:				Mailing Address:		

January 1, 2019 Page 1 of 19

Phone:

Email:

Phone:

Email:



Occupant(s):							
Occupant(s	Occupant(s)Contact Info:							
2 4 Locati	on of the n	arcol(s) of l	and impact	tod by the	cubstanco	roloaso		
2.4 Location of the parcel(s) of land impacted by the substance release Land type: Private Special Areas Crown (specify public lands disposition number in Section 1.0) Municipal								
Land type:	Private	Special A			oublic lands disp	osition number ir	Section 1.0)	Municipal
-		parcel(s) of			look Lot ANI	D/OD Alborto	Taumahin Cu	votom.
Plan	Block	. ,		LSD	Section	D/OR Alberta		
Plan	BIOCK	Lot	Quarter	LSD	Section	Township	Range	Meridian
Additional in	nformation <i>(G</i>	PS, location rela	tive to landmark	·):		1		<u> </u>
2.5 Lando	wner(s) of	the parcel(s	s) of land in	npacted by	the substa	ance release)	
Landowner	(s):							
Name:			Name:			Name:		
Mailing			Mailing			Mailing		
Address:			Address:			Address:		
Phone:			Phone:			Phone:		
Email:	Email: Email: Email:							
2.6 Occupancy of the parcel(s) of land impacted by the substance release								
Occupant(s):								
Occupant(s) Contact Info):						

2.3 Occupancy of the parcel of land that was the original source of the substance release

January 1, 2019 Page 2 of 19





2.7 Location of the parcel(s) of land that were remediated For the purpose of Section 2.7, include all remediated parcel(s) of land describing the entire remediated area. Land type: Private Special Areas Crown (specify public lands disposition number in Section 1.0) Municipal Municipal Address of the parcel(s) of land (if applicable): Legal Land Description of the parcel(s) of land. Provide Plan, Block, Lot AND/OR Alberta Township System: Plan Block Lot Quarter LSD Section Township Range Meridian Additional information (GPS, location relative to landmark): 3.0 APPLICANT Company: Contact Person: Mailing Address: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Contact Person: Mailing Address: Position Held: Phone: Fax: Email:	2710004	on of the n	orosl/s) of	land that we		-4- d				
Land type: Private Special Areas Crown (specify public lands disposition number in Section 1.0) Municipal Municipal Address of the parcel(s) of land (if applicable): Legal Land Description of the parcel(s) of land. Provide Plan, Block, Lot AND/OR Alberta Township System: Plan Block Lot Quarter LSD Section Township Range Meridian Additional information (GPS, location relative to landmark): 3.0 APPLICANT Company: Contact Person: Mailing Address: Position Held: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Contact Person: Mailing Address: Position Held: Phone: Fax: Email:										
Municipal Address of the parcel(s) of land. (if applicable): Legal Land Description of the parcel(s) of land. Provide Plan, Block, Lot AND/OR Alberta Township System: Plan Block Lot Quarter LSD Section Township Range Meridian Block Lot Quarter LSD Section Township Range Meridian Additional information (GPS, location relative to landmark): Additional information (GPS, location relative to landmark): Contact Person:										
Legal Land Description of the parcel(s) of land. Provide Plan, Block, Lot AND/OR Alberta Township System: Plan Block Lot Quarter LSD Section Township Range Meridian Meridian	Land type:	Private	Special A	Areas Cro	wn (specify pul	olic lands dispos	sition number in S	ection 1.0)	Municipal	
Plan Block Lot Quarter LSD Section Township Range Meridian Plan Block	Municipal A	ddress of the	parcel(s) of	land (if applical	ole):					
Additional information (GPS, location relative to landmark): 3.0 APPLICANT Company: Mailing Address: Position Held: Phone: Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Contact Person: Position Held: Phone: Fax: Email:	Legal Land	Description o	f the parcel	(s) of land. Pro	vide Plan, B	lock, Lot AN	D/OR Alberta	Township S	ystem:	
3.0 APPLICANT Company: Contact Person: Position Held: Phone: Fax: Email:	Plan	Block	Lot	Quarter	LSD	Section	Township	Range	Meridian	
3.0 APPLICANT Company: Mailing Address: Position Held: Phone: Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Mailing Address: Position Held: Phone: Fax: Email:										
3.0 APPLICANT Company: Contact Person: Position Held: Phone: Fax: Email:										
3.0 APPLICANT Company: Contact Person: Position Held: Phone: Fax: Email:										
3.0 APPLICANT Company: Contact Person: Position Held: Phone: Fax: Email:										
3.0 APPLICANT Company: Contact Person: Position Held: Phone: Fax: Email:										
3.0 APPLICANT Company: Contact Person: Position Held: Phone: Fax: Email:										
3.0 APPLICANT Company: Contact Person: Position Held: Phone: Fax: Email:										
Company: Mailing Address: Position Held: Phone: Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Mailing Address: Position Held: Phone: Fax: Fax: Fax: Fax: Fax: Fax: Fax:	Additional in	formation (GI	PS, location re	ative to landmark):					
Company: Mailing Address: Position Held: Phone: Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Mailing Address: Position Held: Phone: Fax: Fax: Fax: Fax: Fax: Fax: Fax:										
Company: Mailing Address: Position Held: Phone: Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Mailing Address: Position Held: Phone: Fax: Fax: Fax: Fax: Fax: Fax: Fax:	0.0.4551									
Mailing Address: Position Held: Phone: Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Contact Person: Mailing Address: Position Held: Phone: Fax:	3.0 APPL	ICANI								
Phone: Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL	Company:				Conta	ct Person:				
Fax: Email: 4.0 ENVIRONMENTAL PROFESSIONAL Company: Contact Person: Mailing Address: Phone: Fax:	Mailing Add	ress:			Positi	Position Held:				
### A.0 ENVIRONMENTAL PROFESSIONAL Company: Mailing Address: Phone: Fax:					Phone	Phone:				
4.0 ENVIRONMENTAL PROFESSIONAL Company: Contact Person: Mailing Address: Phone: Fax:					Fax:					
Company: Mailing Address: Position Held: Phone: Fax:					Email	:				
Company: Mailing Address: Position Held: Phone: Fax:					'					
Mailing Address: Position Held: Phone: Fax:	4.0 ENVIRONMENTAL PROFESSIONAL									
Address: Phone: Fax:	Company:				Conta	ct Person:				
Fax:	Mailing			Positi	on Held:					
	Address:				Phone	e:				
					Fax:					
Email:					Email	:				

January 1, 2019 Page 3 of 19



5.0 ACTIVITY					
5.1 Current Operating Status (select the most appropriate):					
Operating	Abandoned in Place ¹ (attach approval)				
Decommissioning in progress	Decommissioned ²				
Closed	Not applicable (specify):				

5.2 Petroleum Storage Tank (PST) Site							
Retail gas station	On-site fuelling tanks	Bulk fuel	Card lock	Other:			
PTMAA or AMA Reference No.(s) ³ :							
Was a Petroleum Storage Tank Closure Report submitted to PTMAA?							

5.3 Approved Facility – Under the Environmental Protection and Enhancement Act (EPEA)					
Approved Activity Types (check all tha	t apply):				
Chemical manufacturing plant	Metal manufacturing plant	Fertilizer manufacturing plant			
Landfill	Oil refinery	Pesticide manufacturing plant			
Petrochemical manufacturing plant	Pipeline	Power plant			
Pulp and paper processing plant	Sulphur manufacturing or processing plant	Waste management facility			
Wood treatment plant	Other (specify):				

5.4 Facility Under EPEA Code of Practice						
Code of Practice Activity Types (check all that apply):						
Asphalt paving plant	Concrete producing pad	Landfill				
Land treatment of soils containing hydrocarbons	Pesticides	Pipeline				
Sand and gravel pit	Small incinerator	Other (specify):				

January 1, 2019 Page 4 of 19

¹ Where it is not practical to remove an underground tank, it may be left in place if permission is granted by the Authority Having Jurisdiction. The circumstances and conditions that may allow abandonment in place are listed in Article 4.3.16.2 of the Alberta Fire Code, but generally, if it is physically possible to remove the tank, it must be removed.

 $^{^{2}}$ In this instance 'decommissioned' indicates that all operating infrastructure has been removed from the site.

³ Petroleum Tank Management Association of Alberta (PTMAA), or Alberta Municipal Affairs (AMA).



5.5 Other Activities						
Authorized by:	Authorized by:					
Other Activity Types (check all that appl	y):					
Carwash	Drycleaner	Garage or Shop				
Highway maintenance yard	Salvage, Wrecking or Storage Yard	Transportation Corridor or Roadway				
Utility Corridor or Transformer	Other (specify):					

6.0 SUBSTANCE RELEASE SUMMARY								
Provide a detailed history of the substance ⁴ release into the environment:								
Substance	Release Date (If release date unknown, indicate date of discovery)	Activity Resulting in the Release	Volume of the Release (If volume is unknown, estimate)	Regulatory Agencies Contacted (reference and attach any reports submitted)	AEP Incident Number			

7.0 SITE ASSESSMENT AND REMEDIATION CHECKLIST

You must confirm that ALL the information has been submitted to the Department. Indicate the Report and Page number(s) where the information is documented. Where information is not provided, the application will be considered administratively incomplete and rejected. The site professional must ensure that all work is completed in accordance with the relevant guidelines or standards.

7.1 Land Use and Soil Texture Selection

7.1.1 Remediated Area What is the existing land use as defined in Alberta Tier 1 guidelines?⁵ Is there a proposed future land use that is different from the existing land use? If Yes, what is the confirmed end or future land use? (Attach supporting documentation) Is the remediated area within 30 metres of a more sensitive land use? If Yes, was the criteria of the more sensitive land use applied to a portion of the remediated area? Dominant soil texture type at the parcel(s) of land: Reference Document: Page #(s) 7.1.2 Other Impacted Parcels of Lands Were soil or groundwater criteria exceeded in any other parcel of land prior to remediation? - If no, proceed to section 7.2 What is the existing land use as defined in Alberta Tier 1 guidelines? Is there a proposed future land use that is different from the existing land use?

Page 5 of 19 January 1, 2019

⁴ In this instance 'substance' means a substance that has been remediated to meet the requirements of Alberta Tier 1 Soil and Groundwater Remediation Guidelines (2016, as amended) and is the subject of an application.

⁵ Alberta Tier 1 Soil and Groundwater Remediation Guidelines (Alberta Tier 1 guidelines).



If Yes, what is the confirmed end or future land use? (Attach supporting documentation)

Limited Remediation Certificate Application

Dominant soil texture ty	pe at	other impact	ed parcel(s) of	land:				
Reference Document:		Page #(s)						
7.2 Guideline Select	7.2 Guideline Selection							
Identify the remediation	criteri	a used (che	ck all that appl	y):				
Tier 1		er 2 – Pathw eceptor Exc			2 – Guideline stments	Tier 2 – Site Specific Risk Assessment (SSRA)		
Identify the year the Alb	oerta T	ier 1 or Tier	2 guideline wa	s publishe	ed for the remedi	ation criteria used ⁶ :		
Year:	Year:			Year:		Year:		
If Tier 2 was selected, o	comple	ete the follow	ing table for af	fected ex	posure pathways			
Pathway		Exclusion	Adjustment	SSRA	Contamina	ant(s) of Potential Concern		
Indoor Vapour Inhalatio	n							
Protection of Groundwa for Potable Water Use	ater							
Protection of Groundwa for Livestock Watering	ater							
Protection of Groundwa for Irrigation	ater							
Protection of Groundwa for Wildlife Watering	ater							
Protection of Groundwa for Freshwater Aquatic								
Human Direct Contact								
Plants and Soil Inverted Direct Contact	orate							
Nutrient and Energy Cycling								
Tier 2 evaluated using the Subsoil Salinity or Fertilizer Tool								
Other:		-	-					
Reference Document:	•					Page #(s)		

January 1, 2019 Page 6 of 19

⁶ The guidelines used in preparation of the application must be consistent with the date of application submission. If not, the application will be considered administratively incomplete and rejected.

⁷ A number of exposure pathways are mandatory and are ineligible for exclusion at Tier 2 regardless of whether they are operative. If used, they would be require risk management for land and/or water use restrictions. Please refer to the current Alberta Tier 2 Soil and Groundwater Remediation Guidelines for information on exposure pathway exclusion. If these are included in the evaluation, the application will be considered administratively incomplete and rejected automatically.





7.3 Tier 2 Mandatory Evaluation	
Does the site have any conditions that require the mandatory use of current Alberta Tier 2 guidelines ⁸ ?	
If Yes, identify the conditions that require the Alberta Tier 2 approach:	
	Other? Specify:

7.4 Site Assessment Checklist

You must confirm that the Phase 2 environmental site assessment(s) (ESA) meet the requirements of the Phase 2 Environmental Site Assessment Checklist, and have been submitted to the Department. Indicate the Report and Page number(s) where the information is documented. Where information is not provided, the application will be considered administratively incomplete and rejected. The site professional must ensure that all work is completed in accordance with the relevant guidelines or standards.

ensure that all work is completed in accordance with the rele	recevant gardennes or standards.				
	Yes / No	Report Name(s)	Page #s		
All scaled site maps have been provided as per the Phase 2 Environmental Site Assessment Checklist including:					
 Existing land use for remediated area and adjacent properties; Surface and underground structures and utility corridors; Impacted area(s); Sampling locations and cross sections outlining stratigraphic and hydrogeological features (as needed); and Confirmatory sampling locations. 					
All surface water bodies located within 300 metres downgradient or 100 metres up-gradient of the remediated area are clearly identified on the site map.9					
All buried utility corridor(s) on-site, or adjacent to the land, where the release was located are clearly identified on the site map.					
All contamination associated with the substance release has been fully delineated in the vertical and horizontal direction to the appropriate criteria.					
Contamination in the groundwater has been fully delineated in the vertical and horizontal direction to the appropriate criteria.					
Any contaminants that have potential to form free phase product were identified and fully delineated.					
All analytical results for contaminants of potential concern associated with the substance release were identified and compared against the Alberta Tier 1 guidelines in a summary table.					
Borehole logs, monitoring wells and monitoring well installation was documented and included in the report.					

January 1, 2019 Page 7 of 19

⁸ Alberta Tier 2 Soil and Groundwater Remediation Guidelines (Alberta Tier 2 guidelines).

⁹ Distance to be measured from the leading edge of the remediated area.



Confirmatory sampling for soil and groundwater is included and meets all requirements of the Environmental Site Assessment Standard.		
Soil handling and analytical procedures followed requirements in Alberta Tier 1 guidelines.		

7.5 Tier 2 Evaluation Checklist

Complete for every pathway that was identified in section 7.2. If only Tier 1 was identified in 7.2, proceed to Section 8

	Yes / No	Report Name(s)	Page #s
A Tier 2 risk assessment has been submitted and accepted by the Department (provide letter of acceptance with submission) ¹⁰			
Any of Protection of Groundwater for Potable Water Use, Protection of Groundwater for Irrigation, or Protection of Groundwater for Livestock Watering were evaluated at Tier 2			
All of the potentially impacted water bearing formations cannot be considered domestic use aquifers (DUAs) as defined in the Alberta Tier 2 guidelines (see Alberta Tier 2, appendix E)			
All potentially impacted water bearing zones are not suitable for Livestock Watering or Irrigation			
There is a hydraulic barrier as defined in the Alberta Tier 2 guidelines, between the base of the contaminated area and a potential DUA			
All CoPCs in the top 4 metres meet Alberta Tier 1 guidelines or there is no Tier 1 exceedance of the Livestock Watering Pathway.			
Hydraulic conductivities and hydraulic gradients, where applicable were measured in a minimum of 3 sampling locations for each geological formation			
The Vapour Inhalation pathway was evaluated using Tier 2			
All guideline adjustments followed requirements as outlined in Alberta Tier 2 guidelines and any other protocols or recommendations by the Director.			
All soil vapour sampling was conducted consistent with suggested operating procedures as outlined in CCME Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 3 (2016, as amended)			
All soil vapour guidelines were developed consistent with the CCME Protocol for the Derviation of Soil Vapour Quality Guidelines for Protection of Human Exposure via Inhalation of Vapours (2014, as amended)			
All toxicity reference values used in the development of guidelines are consistent with the Alberta Guidance for Selection of Toxicity			

¹⁰ Tier 2 risk assessments require specialized review. Any review that is not already completed will be referred to a separate review by regulator specialists. Reports that have not already been submitted at the time of application will not be receive a high priority by the reviewer and can be delayed considerably as a result.

January 1, 2019 Page 8 of 19



Reference Values for Alberta Tier 1 and Tier 2 Soil and Groundwater Remediation Quality Guidelines (2017, as amended).	
The Alberta Tier 1 Guidelines were applied to the human direct contact pathway ¹¹	
The Alberta Tier 1 Soil Management Limit was applied to any Tier 2 evaluation that included adjustment or exclusion of the Tier 1 Plant and Soil Invertebrate Direct Contact, Nutrient and Energy Cycling or Wildlife Soil and Food Ingestiion Pathways.	
The Alberta Tier 1 Soil and Groundwater Quality Guidelines for freshwater aquatic lifer were met for all CoPCs	
There is a minimum of 300 metres downgradient and 100 metres upgradient separation between the CoPC and the high water mark or floodway of the surface water body as measured from the edge of the contaminated area that meets the Freshwater Aquatic Life Guidelines and the surface water body.	
No contaminant concentration exceeds the freshwater aquatic life or sediment quality guidelines as outlined in the Environmental Quality Guidelines for Alberta Surface Water (2018, as amended)	

January 1, 2019 Page 9 of 19

¹¹ Human Direct Contact cannot be excluded or adjusted at Tier 2 and requires a risk management plan.



8.0 REMEDIATION

8.1 Remediated Substances

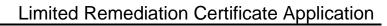
List all individual substances in the release exceeding Alberta Tier 1 guidelines that were remediated and are the subject of this application. If there is a substance that is not in the Alberta Tier 1 guidelines, provide concentrations prior to remediation. If the substance was remediated to Alberta Tier 2 guidelines, indicate the Report and Page number(s)

Type of substances (check all that apply):				
General and Inorganic Parameters	Metals			
Hydrocarbons	Halogenated Aliphatics			
Chlorinated Aromatics	Pesticides			
Other Organics	Radionuclides			
Salinity	Other Substances (specify):			

List all individual substances that form the release. Provide concentrations prior to remediation. Include parameters of pH, electrical conductivity (EC) and sodium adsorption ratio (SAR), as a CoPC. For pH, include the most acidic and/or most alkaline measurement as the highest concentration. For values of EC and SAR, refer to Table 4, Alberta Tier 1 Salt Remediation Guidelines in the Alberta Tier 1 Soil and Groundwater Remediation Guidelines.

CoPC	Soil	(Groundwater	Remediated	Remediated to Ti	er 2?
	Highest conc. (µg/g)	Y/N	Highest conc. (mg/L)	to Tier 1? Yes / No	Report Name(s)	Page #s

January 1, 2019 Page 10 of 19





8.2 Remediation Process							
Date remediation of the substance(s) started:						
Date remediation of the substance(s) completed:							
Remediation method(s) used to treat	at the release:						
Was any soil treated on site?							
Was any groundwater treated on si	te?						
Was any contaminated soil or water removed from, or placed in any other location outside of the remediated area that is not a Waste Management Facility?							
Complete the following table for of the remediated area that is not	=		in any other loc	ation outside			
Final location of contaminated soil or groundwater removed from the	Contamina	nt Concentration	ration Quantity or volur				
remediated area	Soil (mg/kg)	Groundwater (mg/L)	Soil (tonnes)	Groundwater (m³)			
Complete the following table for	any soil or water tal	ken to a waste managel	ment facility:	Ł.			
Waste Management Facility				ne of contaminated terial			
		1					
Name	Location	Authorization number	Soil (tonnes)	Groundwater (m ³)			
			+				
Was any soil imported to the remedinformation including source, volume and an contaminated.							
Reference Document:				Page #(s)			

January 1, 2019 Page 11 of 19

 $^{^{12}}$ Contaminated soil and/or groundwater must be disposed of at an authorized waste management facility. Movement to any other location is not permitted.



8.3 Confirmation of Remediation			
	Yes / No	Report Name(s)	Page #s
A Confirmatory Sampling Report has been submitted that meets the requirements of Alberta's Environmental Site Assessment Standard (2016, as amended)			
The confirmatory sampling report confirms that the entire substance release meets the Alberta Tier 1 or Tier 2 Soil and Groudwater Quality Remediation objectives			

January 1, 2019 Page 12 of 19



	Yes / No	Report Name(s)	Page
A RMP has been previously submitted to the department that meets the requirements of the Alberta Exposure Control Guide (2017, as amended) and the Alberta Risk Management Plan Guide (2018 as amended).			#8
The RMP has been accepted by the Director ¹³ .			
The RMP include letters of no objection from all third parties			
The RMP does not include any land use restrictions for any property considered residential or agricultural land use by the Alberta Tier 1 land use definition			
The RMP includes at least 1 meter of surficial material that meets the appropriate Alberta Tier 1 or Tier 2 guidelines.			
The RMP does not include requirements to manage any CoPC concentrations that exceed 10 times the Tier 1 soil or groundwater criteria for Vapour Inhalation, Human Direct Contact, or Direct Contact for Potable Water Use. Or			
The RMP includes lines of evidence accepted by the Director to demonstrate that concentrations are not sufficient to result in acute or subchronic exposure or toxicity in the event of a failure of the risk management plan.			
The RMP does not include any restrictions to use of a domestic use aquifer or there are already administrative restrictions in place through municipal bylaws or public dispositions.			
The RMP includes a minimum of 1 metre of surficial material that meets the Alberta Tier 1 guidelines across the entire risk managed area.			
The concentration of any CoPC is not above Alberta Tier 1 soil or groundwater management limits for any area that is under risk management.			
The RMP does not include any requirements for engineered controls requiring ongoing management, maintenance or monitoring.			
DNAPL or LNAPL is not present on any area where there is infrastructure present or where buildings could be constructed.			
Risk management of the soil vapour pathway does not include any building requirements, restrictions, or infrastructure requirements that are not already part of the building code for all parcel(s) of land in the risk managed area.			
The RMP does not include any monitoring requirements on low density residential or agricultural land.			

¹³ Acceptance of any attached risk management plan is a requirement before submission of the Application. If the risk management plan is not already submitted and accepted, the application cannot be processed and will be rejected as administratively incomplete.

January 1, 2019 Page 13 of 19



The concentration of all CoPC are below Alberta surface vand sediment quality guidelines within 10 metres of the su water body. For further information, refer to the Environment quality guidelines for Alberta surface water.					
Failure of the RMP does not result in sudden and immediate exposure to aquatic, terrestrial or human receptors.					
The RMP does not require ongoing land use restrictions or all land use restrictions are included in the land use bylaw, municipal development plan, area structure plan, or area redevelopment plan for all areas in question.		_			_
Risk management does not include any CoPC concentration that are considered hazardous waste.					
Risk management is not required for any CoPC that is kno biomagnify or bioaccumulate	Risk management is not required for any CoPC that is known to biomagnify or bioaccumulate				
CoPC concentrations are not sufficient in soil or groundwa change physical or chemical properties of the soil or sedin					
				-	
		<u> </u>			
10.0 REMEDIATION CERTIFICATE					
10.0 REMEDIATION CERTIFICATE			Report Name(s	5)	Page #s
10.0 REMEDIATION CERTIFICATE Total area of land remediated (m²):			Report Name(s	3)	Page #s
			Report Name(s	s)	Page #s
Total area of land remediated (m²): Minimum depth to top of remediated zone (metres below			Report Name(s	5)	Page #s
Total area of land remediated (m²): Minimum depth to top of remediated zone (metres below ground surface): Maximum depth at base of remediated zone (metres		ne parcel(s		5)	Page #s
Total area of land remediated (m²): Minimum depth to top of remediated zone (metres below ground surface): Maximum depth at base of remediated zone (metres below ground surface): Have any remediation or reclamation certificates been issues.		ne parcel(s)			Page #s
Total area of land remediated (m²): Minimum depth to top of remediated zone (metres below ground surface): Maximum depth at base of remediated zone (metres below ground surface): Have any remediation or reclamation certificates been issued: — If Yes, list the remediation certificate numbers, and the date(s) issued:		ne parcel(s	of land?		Page #s
Total area of land remediated (m²): Minimum depth to top of remediated zone (metres below ground surface): Maximum depth at base of remediated zone (metres below ground surface): Have any remediation or reclamation certificates been issued: — If Yes, list the remediation certificate numbers, and the date(s) issued:		ne parcel(s)	of land?		Page #s
Total area of land remediated (m²): Minimum depth to top of remediated zone (metres below ground surface): Maximum depth at base of remediated zone (metres below ground surface): Have any remediation or reclamation certificates been issued: — If Yes, list the remediation certificate numbers, and the date(s) issued:		ne parcel(s	of land?		Page #s
Total area of land remediated (m²): Minimum depth to top of remediated zone (metres below ground surface): Maximum depth at base of remediated zone (metres below ground surface): Have any remediation or reclamation certificates been issued: — If Yes, list the remediation certificate numbers, and the date(s) issued:		ne parcel(s	of land?		Page #s

January 1, 2019 Page 14 of 19



11.0 REQUIRED ATTACHMENTS The Applicant must submit all of the following: The Limited Remediation Certificate Application and Appendix A Section 12.0 must be signed by a member of a professional regulatory organization, and, Section 13.0 must be signed by the Applicant. A **description*** and a **map***, showing: the substance that is the subject of this application; the legal boundaries of the land where the remediated area is located; the legal boundaries and the legal surveyed coordinates of the remediated areas; and the extent, depth and concentration of the substance on the land where the remediated area is located prior to the remediation of the substance, showing whether the substance was present within or outside the remediated area. surface water bodies, and water wells that are within the remediated area or are within 1000 metres from the edge of the remediated area; domestic use aquifers, and any other aquifers that were considered in the development of the remediation procedures; and residences or occupied buildings and utility corridors, including pipelines and conduits that are on the land where the remediated areas are located and on all land immediately adjacent to that A land survey* prepared by a registered Alberta land surveyor showing the boundaries of the remediated area. A diagram*, including cross-sections, showing the top of remediation and the base of remediation within the remediated area. The diagram must include the maximum depth of the base of remediation for the remediated area. A copy of the **certificate of title*** for each parcel of land where the remediated area is located. e) Copies of **reports*** including: a Phase 1 Environmental Site Assessment report, if applicable; a detailed Phase 2 Environmental Site Assessment report; all reports made to Alberta Environment and Parks, the Alberta Energy Regulator or any other government body about the release of the substance. The Remediation report.* For details on the required contents of the Remediation Report, see the Alberta Environmental Site Assessment Standard. A copy of the Risk Management Plan*, if applicable. The Risk Management Plan must have been h) submitted and accepted or waived by the Director or inspector prior to this application.

January 1, 2019 Page 15 of 19

^{*} Required attachments. List and reference all required attachments in Appendix A.



12.0 ENVIRONMENTAL PROFESSIONAL DECLARATION

1.	This Declaration is made in conjunct	ion with an application for a Limited Remediation	Certificate.
	The "Application" made by		(name of applicant)
	for the following land(s):	(inser	t legal land description)

- 2. I am a practicing professional member of the professional organization (the "Professional Organization"). I have a minimum of five years verifiable experience in remediation or reclamation relevant to the Competencies Table contained in the Competencies for Remediation and Reclamation Advisory Committee's Recommendations Report (AENV 2006).
- 3. As a member of the Professional Organization, I have the ability to sign off on Remediation Certificate Applications as defined by Alberta Environment and Parks and am authorized by the applicant to prepare and/or submit the attached report(s) or document(s), listed in Appendix A (the "Professional Reports").
- 4. To the best of my knowledge and the best of my professional ability, recognizing the standard of care expected of a reasonable professional doing this work, it is my professional opinion that all the information contained in the Professional Report(s) is accurate and complete, and contains all the relevant information for the purposes of this Application.
- 5. The results reported in the Professional Report(s) are consistent with all current and applicable Provincial criteria, standards, and guidelines for remediation or reclamation.
- 6. The Professional Report(s), including all attachments, data and supplemental information, were prepared by me, or under my direct supervision, or were prepared by a third party and has been reviewed and accepted by me; and was prepared in accordance with an appropriate quality assurance/quality control system that ensured qualified personnel properly gathered and evaluated all the information contained in and underlying the Professional Reports. All the information submitted is, to the best of my knowledge, true, accurate and complete.
- 7. I carry, or my employer carries, professional liability insurance (errors and omissions). This insurance will be maintained for the specified liability period.
- 8. I am aware that it is an offense under section 227 of the *Environmental Protection and Enhancement Act* to provide, false, misleading or inaccurate information and that there are significant fines for committing these offences, including the possibility of imprisonment. See the applicant declaration for the relevant sections.

SIGNATURE:	DATE:
POSITION:	
REGISTRATION NUMBER:	

January 1, 2019 Page 16 of 19



13.0 APPLICANT DECLARATION

This Declaration must be signed by the Applicant (consultant signatures are NOT acceptable).

I, of (Applicant) declare that,

This application for a Limited Remediation Certificate was prepared and completed under my direction. Based on my inquiries of the person or persons who managed the application components required to complete this application the information is, to the best of my knowledge and belief, true, accurate and complete;

- We carried out a Phase I Environmental Site Assessment, and/or Phase II Environmental Site Assessment (copy attached if not previously submitted to Alberta Environment and Parks).
- We remediated the substance specified in our application within the remediated area and the remediated zone to meet the *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (Alberta Environment 2016, as amended) or *Alberta Tier 2 Soil and Groundwater Remediation Guidelines* (Alberta Environment 2016, as amended) for the appropriate land use;
- We contacted the affected third parties to determine if, and how, they wanted their land remediated for the substance in this application. We have attached evidence of reporting to all affected third parties and, where required, letters of no objection for any Risk Management Plan or a record of the objection to risk management;
- The appropriate professional declarations have been completed and signed by the professional members who conducted and supervised the work;
- I consent to an audit of the remediated area if a remediation certificate is issued;

I also declare that, to the best of my knowledge, all of the information contained within this Application is accurate and includes a complete representation of all the information that is required to be submitted in the Application for a Remediation Certificate. I am aware that it is an offense under section 227 of the Environmental Protection and Enhancement Act to provide, false, misleading or inaccurate information and that there are significant fines for committing these offences, including the possibility of imprisonment, the relevant sections which read as follows:

person who

POSITION:

- (a) knowingly provides false or misleading information pursuant to a requirement under this Act to provide information,
- (b) provides false or misleading information pursuant to a requirement under this Act to provide information,
- (c) fails to provide information as required under this Act, except under section 110(3).

Penalties s.228(1) A person who commits an offence referred to in section 60, 87, 108(1), 109(1) or 227(a), (d), (f) or (h) is liable

- (a) in the case of an individual, to a fine of not more than \$100 000 or to imprisonment for a period of not more than 2 years or to both fine and imprisonment, or
- (b) in the case of a corporation, to a fine of not more than \$1 000 000.
- (2) A person who commits an offence referred to in section 61, 67, 75, 76, 79, 88, 108(2), 109(2), 110(1) or (2), 111, 112, 137, 148, 149, 155, 157, 163, 169, 170, 173, 176, 188, 191, 192, 209, 227(b), (c), (e), (g) or (i) or 251 is liable
- (a) in the case of an individual, to a fine of not more than \$50 000, or
- (b) in the case of a corporation, to a fine of not more than \$500 000.

SIGNATURE:	DATE
NAME:	

January 1, 2019 Page 17 of 19



Payment must be submitted in the amount of \$1,000 together with **one** copy of the following documents:

- Cover letter
- Application Package including the application form and all documents listed in section 11.0

Applications not accompanied with the fee will be refused and returned to the Applicant. Acceptable methods of application fee submission are by cheque (made payable to the Minister of Finance), Visa, or MasterCard.

Only one copy of the application is required. Electronic submissions are required. As much as possible, make sure all information is on standard 8.5" x 11" paper.

For all lands send the application to:

Remediation Certificates Alberta Environment and Parks Regulatory Approvals Centre Petroleum Plaza South Tower, Fifth Floor 9915-108 Street Edmonton Alberta T5K 2G8

For electronic submissions: RAC.environment@gov.ab.ca (Indicate "Remediation Application" in the subject line of the email.)

January 1, 2019 Page 18 of 19



APPENDIX A

List all documents submitted as part of this Limited Remediation Certificate Application. If a required attachment appears within a larger document (e.g., figure within a report), reference it to the appropriate report.

List of Environmental Reports and Required Attachments*

Title	Date	Author(s)	Professional Designation(s) & Member No.

List of Maps, Figures, and Diagrams*

Title	Description	Page(s)	Document Title

^{*} Relate the documents referenced in this section to those requested in Section 11.0

January 1, 2019 Page 19 of 19