2022-2023 OSM WORK PLAN APPLICATION

This form will be used to assess the merits of the proposed work plan and its fit with the Oil Sands Monitoring (OSM) Program mandate and strategic priorities. Applicants must complete the form in its entirety. Applicants that fail to use this form and complete all sections in the timeframe will not be considered.

OSM Work Plan Submission Deadline: The deadline for submission of proposed work plans is ***October 5, 2021 at 4:30 PM Mountain Standard time.***	***October 5, 2021*** *4:30 PM MST*
Decision Notification	*Mid to Late January 2022*

The OSM Program is governed by the Freedom of Information and Protection of Privacy Act (FOIP) and may be required to disclose information received under this Application, or other information delivered to the OSM Program in relation to a Project, when an access request is made by anyone in the public. Applicants are encouraged to familiarize themselves with FOIP. All work plans are public documents.

Work Plan Completion

Please ***Enable Macros*** *on the form when prompted.*

The applicant is required to provide information in sufficient detail to allow the evaluation team to assess the work plan. Please follow the requirements/instructions carefully while at the same time being concise in substantiating the project's merits. *The OSM Program is not responsible for the costs incurred by the applicant in the preparation and submission of any proposed work plan.*

When working on this form, please maintain Macros compatibility by always saving your draft and your final submission as a **Microsoft Word Macro-Enabled Document**, failure to do so will result in loss of form functionality**.** This form was created using Microsoft word 2016 on a PC and may not have functionality on other versions of Microsoft on PC or MACS.

All work plans under the OSM Program require either a government lead or a government coordinator. This will ensure that the financial tables (for Alberta Environment and Parks & Environment and Climate Change Canada) are completed accurately for work plan consideration. ***However,*** if *an* ***Indigenous community, environmental nongovernmental organization*** *or any other* ***external partner*** *is completing a work plan proposal, they would* ***only*** *complete the* ***grant or contract budget component*** *of the* ***Human Resources & Financials Section*** *for their project. The government coordinator within Alberta Environment & Parks would be responsible for completing the remaining components of the Human Resources and Financial Section of this Work Plan Application, as they are responsible for contract and grant facilitation of successful submissions. All other sections outside of* ***Human Resources & Financials Section*** *of this work plan proposal are to be completed in full by all applicants.*

The OSM Program recognizes that majority of work planning submissions are a result of joint effort and monitoring expertise. Should the applicant wish to submit supplemental materials in addition to their application additional resources are available in the Work Planning Form and Distribution Package, accessible here: **Work Planning Form and Distribution Package**

Should you have any ***questions*** *about completing this work planning form or uploading your final submission documents, please send all inquiries by email to:* **OSM.Info@gov.ab.ca.**

WORK PLAN SUBMISSION

Upon completion of this application, please submit the appropriately named work plan (***Microsoft Word Macro-Enabled Document***) *and all supporting documents to the link provided below. Failure to follow the naming convention provided may result in oversight of your application.*

Please upload (by drag and dropping) the ***WORK PLAN SUBMISSION & ALL SUPPORTING DOCUMENTS*** *here:*

WORK PLAN SUBMISSION LINK (CTRL+CLICK HERE)

Please use the following file naming convention when submitting your WORK PLAN:

202223_wkpln_WorkPlanTitle_ ProjectLeadLastNameFirstName

Example:

202223_wkpln_OilSandsResiduesinFishTissue_SmithJoe

If applicable, **please use the following file naming convention when submitting your supplementary or supporting files.** Please number them according to the guidance and examples provided:

202223_sup##_WorkPlanTitle_ ProjectLeadLastNameFirstName

Examples:

202223_sup01_OilSandsResiduesinFishTissue_SmithJoe

202223_sup02_OilSandsResiduesinFishTissue_SmithJoe

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202223_sup10_OilSandsResiduesinFishTissue_SmithJoe

Do not resave your work plan or documents under any other naming conventions. *If you need to make revisions and resubmit before the work planning deadline of October 5, 2021,* ***DO NOT*** *rename your submission. When resubmitting, simply resubmit with the exact naming convention so that it replaces the original submission.* ***DO NOT*** *add any additional components such as versioning or dates to the file naming convention. Please direct any questions regarding the submission or naming of submissions to* ***OSM.Info@gov.ab.ca*****.**

WORK PLAN APPLICATION

PROJECT INFORMATION	
Project Title:	Community Based Monitoring
Lead Applicant, Organization, or Community:	Métis Nation Of alberta Region 1
Work Plan Identifier Number: *If this is an on-going project please fill the identifier number for 20/21 fiscal by adjusting the last four digits:* ***Example:*** *D-1-2020 would become D-1-****2022***	**202223_**
Project Region(s):	Athabasca
Project Start Year: *First year funding under the OSM program was received for this project (if applicable)*	2022 and 2023
Project End Year: *Last year funding under the OSM program is requested* ***Example: 2022***	Project would end in year 2
Total 2022/23 Project Budget: *For the 2022/23 fiscal year*	**$138,020.00**
Requested OSM Program Funding: *For the 2022/23 fiscal year*	**$138,020.00**
Project Type:	Community Based Monitoring
Project Theme:	Terrestrial Biological Monitoring
Anticipated Total Duration of Projects (Core and Focused Study (3 years))	Year 2
Current Year	**Focused Study:** Year 1 of 3
	Core Monitoring: Year 2

CONTACT INFORMATION	
Lead Applicant/ Principal Investigator: Every work plan application requires one lead applicant. This lead is accountable for the entire work plan and all deliverables.	Cheryl Gordon
Job Title:	Region 1 Consultation Coordinator
Organization:	Métis Nation of Alberta Region 1
Address:	Po Box 1350 Lac La Biche Alberta, T0A 0R0
Phone:	780-623-3039
Email:	cgordon@metis.org

PROJECT SUMMARY

Should your application be successful, The OSM Program reserves the right to publish this work plan application. Please check the box below to acknowledge you have read and understand:

☒ *I acknowledge and understand*

In the space below please provide a summary (300 words max) of the proposed project that includes a brief overview of the project drivers and objectives, the proposed approach/methodology, project deliverables, and how the project will deliver to the OSM Program objectives. The summary should be written in plain language.

Region 1 The Métis Nation of Alberta Region 1 intends to utilize the OSM Program to investigate the potential impacts that are commonly associated to oil and gas exploration to further analyze cumulative effects and understand how those developmental activities impact traditional harvesting areas, harvesting practices, and exercising Indigenous Section 35 rights.

The methodologies to be used throughout the provided workplan are largely to conduct individual interviews, virtual tabletop studies, virtual or teleconference engagements, and reports to compliment an environmental Land-Based monitoring initiative on an intermittent basis to monitor the health on these reliant land values.

In undertaking these methodologies, citizens are provided with the background material, and opportunity to participate in an experiential and visual knowledge study to adequately collect and report back on concerns that demonstrate the impacts of cumulative effects upon Metis citizens and harvesters in this unique living landscape of Northeastern Alberta.

This project intends to identify and monitor culturally significant indicators and environmental values from a Metis holistic perspective to better understand the implications of residual and cumulative effects on Indigenous health and ways of life, wildlife, vegetation, aquatic species, and the greater habitat that provides to us all.

The Métis Nation of Alberta Region 1 augments the Metis voice to be inclusive in planning, monitoring and establishing an appropriate Land-Based management approach that supports the MNA and OSM principles.

1.0 Merits of the Work Plan

All work plans under the OSM Program must serve the mandate of the program by determining (1) if changes in indicators are occurring in the oil sands region and (2) if the changes are caused by oil sands development activities and (3) the contribution in the context of cumulative effects. In the space below please provide information on the following:

- *Describe the key drivers for the project identifying linkages to the EEM framework particularly as it relates to surveillance, confirmation and limits of change (as per OC approved Key Questions).*
- *Explain the knowledge gap as it relates to the EEM framework that is being addressed along with the context and scope of the problem as well as the Source – pathway – Receptor Conceptual Models .*
- *Describe how the project meets the mandate of the OSM Program*
- *Discuss results of previous monitoring/studies/development and* what has been achieved to date.

Click or tap here to enter text.

2.0 Objectives of the Work Plan

List in point form the Objectives of the 2022/23 work plan below

investigate changes, impacts and cumulative effects on productive and valuable lands caused by energy/oil-gas developments;
extract and collect community knowledge through engagements and discussions on occurrences on landscape that are missed;
knowledge and more active community involvement (via capacity supports) to identify needs, impacts and inform a plan – involvement of community members are key in building trust, working towards truth and reconciliation and building internal capacity

3.0 Scope

Evaluation of Scope Criteria (Information Box Only- No action required)

Your workplan will be evaluated against the criteria below. A successful workplan would:

- be in scope of the OSM Program (e.g., regional boundaries, specific to oil sands development, within boundaries of the Oil Sands Environmental Monitoring Program Regulation)
- integrate western science with Indigenous Community-Based Monitoring
- addresses the EEM framework particularly as it relates to surveillance, confirmation and limits of change as per approved Key Questions.

have an experimental design that addresses the Pressure/Stressor, Pathway/Exposure, Response continuum

- produce data/knowledge aligned with OSM Program requirements and is working with Service Alberta
- uses Standard Operating Procedures/ Best Management Practices/ Standard Methods including for Indigenous Community-Based Monitoring

3.1 Sub Theme

Please select from the dropdown menu below the theme(s) your monitoring work plan relates to:

Terrestrial Biology

3.2 Core Monitoring or Focused study

Please select from the dropdown menu below if the monitoring in the work plan is "core monitoring" and/or a "focused study". Core monitoring are long term monitoring programs that have been in operation for at least 3 years, have been previously designated by the OSM program as core, and will continue to operate into the future. Focused studies are short term projects 1-2 years that address a specific emerging issue. For the purposes of 2022/23 work planning all Community Based Monitoring Projects are Focused Studies.

Focused Study (includes Community-Based Monitoring)

3.3 Sub Theme Key Questions

Please select from the dropdown menus below the sub-theme(s) your monitoring work plan relates to and address the Key Questions:

3.3.1 Surface Water Theme

3.3.1.1. Sub Themes:

Quality

3.4.1.2 Surface Water Key Questions

Explain how your surface water monitoring program addresses the key questions below.

1. Are changes occurring in water quality, biological health (e.g., benthos, fish) and/or water quantity/flows, to what degree are changes attributable to oil sands activities, and what is the contribution in the context of cumulative effects?

Yes changes are occurring; in the context of cumulative effects, monitoring multiple species or environmental values/indicators can provide data that contributes to ongoing change and ongoing impacts

2. Are changes in water quality and/or water quantity and/or biological health informing Indigenous key questions and concerns?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Reports and updates as needed will be provided. Communities should also be able to request and access data

4. Do methodologies use relevant Standard Operating Procedures/ Best Management Practices/ Standard Methods?

yes

5. How does the monitoring identify integration amongst projects, themes or with communities?

Gaining community knowledge in exposing communities and/or educating communiities on impacts and live occurrences on the landscape will help to develop or guide a plan for management and best practices

6. 7.6. Where does the monitoring fit on the conceptual model within the EEM framework for the theme area and relative to the conceptual model for the OSM Program theme area? How will this work advance understanding transition towards of the conceptual model EEM framework?

Fits with environmental effects monitoring; this work will inform best practices for the EEM framework as well as identify how best to collaboratively work and integrate indigenous knowledge

7. Is the work plan contributing to Programmatic State of Environment Reporting?

Yes

3.3.2 Groundwater Theme

3.3.2.1 Sub Themes:

Quality

3.3.2.2 Groundwater Key Questions

Explain how your groundwater monitoring program addresses the key questions below.

1. Are changes occurring in groundwater quality and/or quantity, to what degree are changes attributable to oil sands activities, are changes affecting other ecosystems, and what is the contribution in the context of cumulative effects?

Yes changes are occurring; in the context of cumulative effects, monitoring multiple species or environmental values/indicators can provide data that contributes to ongoing change and ongoing impacts

2. 2. Are changes in groundwater quality and/or quantity informing Indigenous key questions and concerns Indigenous concerns and health?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

4. Do methodologies use relevant Standard Operating Procedures/ Best Management Practices/ Standard Methods?

yes

5. How does the monitoring identify integration amongst projects, themes or with communities?

Gaining community knowledge in exposing communities and/or educating communiities on impacts and live occurrences on the landscape will help to develop or guide a plan for management and best practices

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Fits with environmental effects monitoring; this work will inform best practices for the EEM framework as well as identify how best to collaboratively work and integrate indigenous knowledge

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

By monitoring the areas within the conceptual OSM modle we will get a better understanding fo the conceptual model.

8. Is the work plan contributing to Programmatic State of Environment Reporting?

Yes

3.3.3 Wetlands Theme

3.3.3.1 Sub Themes:

Structure (e.g., biodiversity, habitat structure)

3.3.3.2 Wetland - Key Questions

Explain how your wetland monitoring program addresses the key questions below.

1. Are changes occurring in wetlands due to contaminants and hydrological processes, to what degree are changes attributable to oil sands activities, and what is the contribution in the context of cumulative effects?

Yes changes are occurring; in the context of cumulative effects, monitoring multiple species or environmental values/indicators can provide data that contributes to ongoing change and ongoing impacts

2. Are changes in wetlands informing Indigenous key questions and concerns?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

4. Do methodologies use relevant Standard Operating Procedures/ Best Management Practices/ Standard Methods?

Yes

5. How does the monitoring identify integration amongst projects, themes or with communities?

Gaining community knowledge in exposing communities and/or educating communiities on impacts and live occurrences on the landscape will help to develop or guide a plan for management and best practices

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Fits with environmental effects monitoring; this work will inform best practices for the EEM framework as well as identify how best to collaboratively work and integrate indigenous knowledge

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

By monitoring the areas within the conceptual OSM modle we will get a better understanding fo the conceptual model.

8. Is the work plan contributing to Programmatic State of Environment Reporting?

Yes

3.3.4 Air Theme

3.3.4.1 Sub Themes:

Deposition

3.3.4.2 Air & Deposition - Key Questions

Explain how your air & deposition monitoring program addresses the key questions below.

1. Are changes are occurring in air quality, to what degree are changes attributable to oil sands emissions, and what is the contribution in the context of cumulative effects?

Yes changes are occurring; in the context of cumulative effects, monitoring multiple species or environmental values/indicators can provide data that contributes to ongoing change and ongoing impacts

2. Are changes informing Indigenous key questions and concerns?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

4. Do methodologies use relevant Standard Operating Procedures/ Best Management Practices/ Standard Methods?

Yes

5. How does the monitoring identify integration amongst projects, themes or with communities?

Gaining community knowledge in exposing communities and/or educating communiities on impacts and live occurrences on the landscape will help to develop or guide a plan for management and best practices

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Fits with environmental effects monitoring; this work will inform best practices for the EEM framework as well as identify how best to collaboratively work and integrate indigenous knowledge

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

By monitoring the areas within the conceptual OSM modle we will get a better understanding fo the conceptual model.

8. Is the work plan contributing to Programmatic State of Environment Reporting? (Answer Box)

Yes

3.3.5 Terrestrial Biology Theme

3.3.5.1 Sub Themes:

Biodiversity

3.3.5.2 Terrestrial Biology - Key Questions

Explain how your terrestrial biological monitoring program addresses the key questions below.

1. Are changes occurring in terrestrial ecosystems due to contaminants and landscape alteration, to what degree are changes attributable to oil sands activities, and what is the contribution in the context of cumulative effects?

Yes changes are occurring; in the context of cumulative effects, monitoring multiple species or environmental values/indicators can provide data that contributes to ongoing change and ongoing impacts

2. Are changes in terrestrial ecosystems informing Indigenous key questions and concerns?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

4. Do methodologies use relevant Standard Operating Procedures/ Best Management Practices/ Standard Methods?

Yes

5. How does the monitoring identify integration amongst projects, themes or with communities?

Gaining community knowledge in exposing communities and/or educating communiities on impacts and live occurrences on the landscape will help to develop or guide a plan for management and best practices

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Fits with environmental effects monitoring; this work will inform best practices for the EEM framework as well as identify how best to collaboratively work and integrate indigenous knowledge

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

By monitoring the areas within the conceptual OSM modle we will get a better understanding fo the conceptual model.

8. Is the work plan contributing to Programmatic State of Environment Reporting?

Yes

3.3.6 Cross-Cutting Across Theme Areas

3.3.6.1 Sub Themes:

Integrated Analytics& Cumulative Effects

If "Other" was selected from the drop down list above please describe below:

Click or tap here to enter text.

3.3.6.2 Cross-Cutting - Key Questions

Explain how your cross-cutting monitoring program addresses the key questions below.

1. Is data produced following OSM Program requirements and provided into the OSM Program data management system?

Yes changes are occurring; in the context of cumulative effects, monitoring multiple species or environmental values/indicators can provide data that contributes to ongoing change and ongoing impacts

2. Do methodologies use relevant Standard Operating Procedures/ Best Management Practices/ Standard Methods?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

3. How does the monitoring identify integration amongst projects, themes or with communities?

Yes however more available data is needed for transparency for communities to be aware of current or potential impacts

4. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Fits with environmental effects monitoring; this work will inform best practices for the EEM framework as well as identify how best to collaboratively work and integrate indigenous knowledge

5. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

Gaining community knowledge in exposing communities and/or educating communiities on impacts and live occurrences on the landscape will help to develop or guide a plan for management and best practices

6. Is the work plan contributing to Programmatic State of Environment Reporting?

Yes

4.0 Mitigation

Evaluation of Mitigation Criteria (Information Box Only- No action required)
Your workplan will be evaluated against the criteria below. A successful workplan would potentially inform:

- efficacy of an existing regulation or policy
- an EPEA approval condition
- a regional framework (i.e., LARP)
- an emerging issue

Explain how your monitoring program informs management, policy and regulatory compliance. As relevant give consideration for the EEM framework and the approved Key Questions.

Supports and contributes to existing regional framework (LARP)
develop better efficacy in working with Indigenous communities and organizations
comment on developing frarmeworks, such as surface water quality framework and inform next steps and appropriate actions

5.0 Indigenous Issues

Evaluation of Indigenous Issues Criteria (Information Box Only- No action required)

Your workplan will be evaluated against the criteria below. A successful workplan would potentially:

- Investigate Indigenous communities key questions and concerns
- Includes culturally relevant receptor(s) and indicator(s)
- Include or be driven by Indigenous communities (participatory or collaborative)
- Develop capacity in Indigenous communities
- Include a Council Resolution or Letter of Support from one or more Indigenous communities
- Describe how ethics protocols and best practices regarding involvement of Indigenous peoples will be adhered to
- Provide information on how Indigenous Knowledge will be collected, interpreted, validated, and used in a way that meets community Indigenous Knowledge protocols

Explain how your monitoring activities are inclusive and respond to Indigenous key questions and concerns and inform the ability to understand impacts on concerns and inform Section 35 Rights

Investigate and collect Indigenous community concerns on the focus study topic and as it relates to cumulative effects that could contribute as indicators of poor or good environmental health that may potentially affect Indigenous community health, livelihood and sustainable practices

Does this project include an Integrated Community Based Monitoring Component?

Yes

6.0 Measuring Change

Evaluation of Measuring Change Criteria (Information Box Only- No action required)

Your workplan will be evaluated against the criteria below. A successful workplan would potentially:

- assess changes in environmental conditions compared to baseline (e.g., validation of EIA predictions)
- report uncertainty in estimates and monitoring is of sufficient power to detect change due to oil sands development on reasonable temporal or spatial scales
- include indicators along the spectrum of response (e.g., individual, population, community)
- focus on areas of highest risk (where change is detected, where change is greater than expected, where development is expected to expand (collection of baseline)
- measure change along a stressor gradient or a stressor/reference comparison

Explain how your monitoring identifies environmental changes and can be assessed against a baseline condition. As relevant give consideration for the EEM framework and the approved Key Questions.

Identifies past and/or existing landscape features and health to current contemporary landscape and use

7.0 Accounting for Scale

Evaluation of Accounting for Scale Criteria (Information Box Only- No action required)
Your workplan will be evaluated against the criteria below. A successful workplan would potentially be:

- appropriate to the key question and indicator of interest
- relevant to sub-regional and regional questions
- relevant to organism, population and/or community levels of biological organization
- where modelled results are validated with monitored data
- where monitoring informs on environmental processes that occur at a regional scale. e.g. Characterizing individual sources to gain a regional estimate of acid deposition and understand signal from individual contributing sources.

Explain how your monitoring tracks regional and sub-regional state of the environment, including cumulative effects. As relevant give consideration for the EEM framework and the approved Key Questions.

Effects for metis are province wide to ensure Métis communities have the tools and capacity they need to move forward, preserve traditional Métis lands, protect their history, and advance their rights.

8.0 Transparency

Evaluation of Transparency Criteria (Information Box Only- No action required)
Your workplan will be evaluated against the criteria below. A successful workplan would potentially include:

- a plan for dissemination of monitoring data, including appropriate timing, format, and aligns with OSM program data management plan
- demonstrated transparency in past performance
- identified an annual progress report as a deliverable
- reporting of monitoring results occurs at timing and format that is appropriate for recipient audience.

Explain how your monitoring generates data and reporting that is accessible, credible and useful. As relevant give consideration for the EEM framework and the approved Key Questions.

Affirms metis rights, claims, interests identified by data collection via monitoring or historical/heritage/cultural residency?
making those reports and data available (upon request)to inform larger management plans

9.0 Efficiency

Evaluation of Efficiency Criteria (Information Box Only- No action required)

Your workplan will be evaluated against the criteria below. A successful workplan would include:

- appropriately addressed a risk-informed allocation of resources
- identified the role and justification for each staff member on the proposed work plan
- identified in-kind and leveraged resources (e.g., resources and approaches are appropriately shared with other OSM projects where possible)
- established partnerships (value-added) and demonstrated examples of coordinated efficiencies (e.g., field, analytical)
- identified co-location of monitoring effort
- demonstrated monitoring activities and information collected are not duplicative
- considered sampling/measurement/methods compatibility to other data sources (e.g., AER)

Explain how your monitoring is integrated with other OSM projects and incorporates community-based participation and/or engagement in proposed monitoring activities. As relevant give consideration for the EEM framework and the approved Key Questions.

Interactive/collaborative approach i.e. data collection from community engagements help inform and support OSM objectives and strengthens communities

10.0 Work Plan Approach/Methods

10.1 List the Key Project Phases and Provide Bullets for Each Major Task under Each Project Phase *

Phase One: Planning and Developing
-plan and hold meetings
-plan and hold community engagments
-facilitate engagments
-engagment analysis
-develop an action plan for phase two to inform and guide monitoring activities/data collection
-prioritize high risk areas based on engagement analysis
-investigate potential partnerships and academic supports

Phase Two; Monitoring and Focus Study
-plan a safe field study
-identify appropriate community members to participate in field study and provide knowledge alongside partnerships or academic supports
-implement monitoring
-assess monitoring methodologies (what worked, what needs improvement)
-monitoring analysis – data collection
-plan and hold community engagements for final thoughts
-report writing for report back

10.2 Describe how changes in environmental Condition will be assessed *

Indigenous community based monitoring

10.3 Are There Benchmarks Being Used to Assess Changes in Environmental Condition? If So, Please Describe, If Not, State "NONE" *

NONE

(e.g., objectives, tiers, triggers, limits, reference conditions, thresholds, etc.)

10.4 Provide a Brief Description of the Western Science or Community-Based Monitoring Indigenous Community-Based Monitoring Methods by Project Phase *

Community based monitoring indigenous methods:
-interviews with elders
-interviews with general citizens
-engagements with general citizens on focus study topics
-field study
-field monitoring i.e. fish health (surface water quality), cumulative effects on vegetation and terrestrial species (bioaccumulation of additives from energy/oil-gas developments);
-follow up engagement for validation/verification
-final reporting and language translation
-presentations/webinars/live feed for field studies
-discussion with Leadership

10.5 List the Key Indicators Measured, If Not Applicable, State N/A *

Vegetation and terrestrial biological health; cumulative effects and socio-economic effects on communities

11.0 Knowledge Translation

In the space below, please provide the following:

- *Describe the plan for knowledge transfer and distribution of learnings from the project. This could include workshops, publications, best practice documentation, marketing plan, etc.*
- *Demonstrate that the knowledge transfer plan is appropriate for the intended end-users.*

Report via plain language; translation highlights of study results and purpose into Michif/Cree Preliminary/introductory workshops; educational workshops; high level summary workshop with results and recommendations from communities on next steps *inform and requesting ongoing feedback for future or adjacent projects surveys, questionnaires, interviews, engagements, formal public discussions, field studies and experiential knowledge transfer

12.0 External Partners

List by project or project phase each component that will be delivered by an external party (including analytical laboratories) and name the party. Describe and name the associate work plan/grant/contract for these services. * state none if not required

Unsure – we have to explore this; might be part of phase 2?

*To ensure complete work plan proposal submission, all grants and contracts listed in this section should also be captured in Grants & Contracts.

13.0 Data Sharing and Data Management

For 2022-23 the following approach will be taken by the OSM Program related to data sharing.

For all work plans of a **western science** nature funded under the OSM Program, data sharing is a condition of funding and must align with the principle of **"Open by Default"**. In this case, all data is to be shared with the OSM Program as directed by the OSM Program Data Management work plan.

For all work plans involving **Indigenous Knowledge** as defined below and funded under the OSM Program, data sharing is a condition of funding and the Indigenous Knowledge components of the work plan must align with the principle of **"Protected by Default".** In this case, all data as defined as Indigenous Knowledge, are to be retained by the Indigenous community to which the Indigenous Knowledge is held.

Indigenous Knowledge is defined as:

"The knowledge held by First Nations, Inuit and Métis peoples, the Aboriginal peoples of Canada. Traditional knowledge is specific to place, usually transmitted orally, and rooted in the experience of multiple generations. It is determined by an Aboriginal community's land, environment, region, culture and language. Traditional knowledge is usually described by Aboriginal peoples as holistic, involving body, mind, feelings and spirit. Knowledge may be expressed in symbols, arts, ceremonial and everyday practices, narratives and, especially, in relationships. The word tradition is not necessarily synonymous with old. Traditional knowledge is held collectively by all members of a community, although some members may have particular responsibility for its transmission. It includes preserved knowledge created by, and received from, past generations and innovations and new knowledge transmitted to subsequent generations. In international or scholarly discourse, the terms traditional knowledge and Indigenous knowledge are sometimes used interchangeably."

This definition was taken from the Canadian Government's Tri-council Policy Statement for Ethical Research involving Humans (Chapter 9, pg. 113) and is an interim definition specific to the Oil Sands Monitoring Program.

Data Sharing and Data Management Continued

13.1 Has there, or will there be, a Data Sharing Agreement established through this Project? *

YES

13.2 Type of Quantitative Data Variables**:**

Both

13.3 Frequency of Collection:

Annually

13.4 Estimated Data Collection Start Date:

2022-03-01

13.5 Estimated Data Collection End Date:

2023-04-30

13.6 Estimated Timeline For Upload Start Date:

2022-05-16

13.7 Estimated Timeline For Upload End Date:

2023-02-28

13.8 Will the data Include traditional knowledge as defined by and provided by an Indigenous representative, Community or Organization?

YES

TABLE 13.9 Please describe below the Location of Data and Data Type:

Add a Data Source by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table

Name of Dataset	Location of Dataset (E.g.: Path, Website, Database, etc.)	Data File Formats (E.g.: csv, txt, API, accdb, xlsx, etc.)	Security Classification
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Choose an item.

14.0 2022/23 Deliverables

Add an additional deliverable by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table.

Type of Deliverable	Delivery Date	Description
Technical Report	Q4	We Will have the Tecknical report available by April 30th, 2022 for the first year if approved.
Choose an item.	Choose an item.	Click or tap here to enter text.
Choose an item.	Choose an item.	Click or tap here to enter text.

15.0 Project Team & Partners

In the space below please provide information on the following:

- *Describe key members of the project team, including roles, responsibilities and expertise relevant to the proposed project.*
- *Describe the competency of this team to complete the project.*
- *Identify any personnel or expertise gaps for successful completion of the project relative to the OSM Program mandate and discuss how these gaps will be addressed.*
- *Describe the project management approach and the management structure.*

Gordon, Cheryl

Billey, Pamela

Peters, Theo

Smith, Noah

Stantec

Partners

16.0 Project Human Resources & Financing

Section 16.1 Human Resource Estimates

Building off of the competencies listed in the previous section, please complete the table below. Add additional rows as necessary. This table must include **ALL staff involved** in the project, their role and the % of that staff's time allocated to this work plan. The AEP calculated amount is based on an estimate of $120,000/year for FTEs. This number cannot be changed. The OSM program recognizes that this is an estimate.

Table 16.1.1 AEP

Add an additional AEP Staff member by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table. The total FTE (Full Time Equivalent) is Auto Summed (in Table 16.2.1) and converted to a dollar amount.

Name (Last, First)	Role	% Time Allocated to Project
Gordon, Cheryl	Consultation Coordinator	100%
Pam Bailley	MNA Head Office Consultation Policy and Regulatory Analyst	30%
Noah Smith	Consultation Research Assistant	20%
Connie Pare	MNA Region 1 Finance	20%

Table 16.1.2 ECCC

Add an additional ECCC Staff member by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table. The total FTE (Full Time Equivalent) is Auto Summed in Table 16.2.2

Name (Last, First)	Role	% Time Allocated to Project
Click or tap here to enter text.	Click or tap here to enter text.	0%

The tables below are the financial tables for Alberta Environment & Parks (AEP) and Environment & Climate Change Canada. All work plans under the OSM Program require either a government lead or a government coordinator.

Section 16.2 Financing

The OSM Program recognizes that many of these submissions are a result of joint effort and monitoring initiatives. A detailed "PROJECT FINANCE BREAKDOWN" must be provided using the Project Finance Breakdown Template provided, accessible here (ctrl + click the link below). Please note that completion of this Project Finance Breakdown Template is mandatory and must be submitted along with each workplan.

PROJECT FINANCE BREAKDOWN TEMPLATE (CTRL+CLICK HERE)

Table 16.2.1 Funding Requested BY ALBERTA ENVIRONMENT & PARKS

Organization – Alberta Environment & Parks ONLY	Total % time allocated to project for AEP staff	Total Funding Requested from OSM
Salaries and Benefits *(Calculated from Table 16.1.1 above)*	**170.00%**	**$204,000.00**
Operations and Maintenance		
Consumable materials and supplies		$0.00
Conferences and meetings travel		$0.00
Project-related travel		$0.00
Engagement		$0.00
Reporting		$0.00
Overhead		$0.00
Total All Grants *(Calculated from Table 16.4 below)*		**$0.00**
Total All Contracts *(Calculated from Table 16.5 below)*		**$0.00**
Sub- TOTAL *(Calculated)*		**$204,000.00**
Capital*		$0.00
AEP TOTAL *(Calculated)*		**$204,000.00**

* The Government of Alberta Financial Policies (*Policy # A600*) requires that all **capital asset** purchases comply with governmental and departmental legislation, policies, procedures, directives and guidelines. **Capital assets** (*Financial Policy # A100*, Government of Alberta, January 2014) are tangible assets that: have economic life greater than one year; are acquired, constructed, or developed for use on a continuing basis; are not held for sale in ordinary course of operations; are recorded and tracked centrally; have a cost greater than $5,000.

Some **examples of capital asset equipment include:** laboratory equipment, appliances, boats, motors, field equipment, ATV's/snowmobiles, stationary equipment (pier/sign/weather), fire/safety equipment, pumps/tanks, heavy equipment, irrigation systems, furniture, trailers, vehicles, etc. (*Financial Policy # A100*, Government of Alberta, January 2014).

Table 16.2.2 Funding Requested BY ENVIRONMENT & CLIMATE CHANGE CANADA

Organization – Environment & Climate Change Canada ONLY	Total % time allocated to project for ECCC staff	Total Funding Requested from OSM
Salaries and Benefits FTE *(Please manually provide the number in the space below)*		
Salaries and Benefits		$0.00
Operations and Maintenance		
Consumable materials and supplies		$0.00
Conferences and meetings travel		$0.00
Project-related travel		$0.00
Engagement		$0.00
Reporting		$0.00
Overhead		$0.00
ECCC TOTAL *(Calculated)*		**$0.00**

* ECCC cannot request capital under the OSM program. Any capital requirements to support long-term monitoring under the OSM program should be procured by Alberta and captured in that budget table.

Table 16.3

Complete ONE table per Grant recipient.

Add a Recipient by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table. The total of all Grants is Auto Summed in Table 16.2.1

GRANT RECIPIENT - ONLY: Name	Click or tap here to enter text.
GRANT RECIPIENT - ONLY: Organization	Click or tap here to enter text.
Category	**Total Funding Requested from OSM**
Salaries and Benefits	$0.00
Operations and Maintenance	
Consumable materials and supplies	$0.00
Conferences and meetings travel	$0.00
Project-related travel	$0.00
Engagement	$0.00
Reporting	$0.00
Overhead	$0.00
GRANT TOTAL *(Calculated)*	**$0.00**

Table 16.4

Complete ONE table per Contract recipient.

Add a Recipient by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table. This section is only to be completed should the applicant intend to contract components or stages of the project out to external organizations. The total of all Contracts is Auto Summed in Table 16.2.1

CONTRACT RECIPIENT - ONLY: Name	Click or tap here to enter text.
CONTRACT RECIPIENT - ONLY: Organization	Click or tap here to enter text.
Category	**Total Funding Requested from OSM**
Salaries and Benefits	$0.00
Operations and Maintenance	
Consumable materials and supplies	$0.00
Conferences and meetings travel	$0.00
Project-related travel	$0.00
Engagement	$0.00
Reporting	$0.00
Overhead	$0.00
CONTRACT TOTAL *(Calculated)*	**$0.00**

Table 16.5 GRAND TOTAL Project Funding Requested from OSM Program

The table below is auto calculated, please do not try to manually manipulate these contents.

Category	Total Funding Requested from OSM
Salaries and Benefits ***Sums totals for salaries and benefits from AEP and ECCC ONLY***	$204,000.00
Operations and Maintenance	
Consumable materials and supplies *Sums totals for AEP and ECCC ONLY*	$0.00
Conferences and meetings travel *Sums totals for AEP and ECCC ONLY*	$0.00
Project-related travel *Sums totals for AEP and ECCC ONLY*	$0.00
Engagement *Sums totals for AEP and ECCC ONLY*	$0.00
Reporting *Sums totals for AEP and ECCC ONLY*	$0.00
Overhead *Sums totals for AEP and ECCC ONLY*	$0.00
Total All Grants (from table 16.2.1 above) *Sums totals for AEP Tables ONLY*	$0.00
Total All Contracts (from table 16.2.1 above) *Sums totals for AEP Tables ONLY*	$0.00
Sub- TOTAL	$204,000.00
Capital* *Sums total for AEP*	$0.00
GRAND PROJECT TOTAL	$204,000.00

Some **examples of capital asset equipment include:** laboratory equipment, appliances, boats, motors, field equipment, ATV's/snowmobiles, stationary equipment (pier/sign/weather), fire/safety equipment, pumps/tanks, heavy equipment, irrigation systems, furniture, trailers, vehicles, etc. (*Financial Policy # A100*, Government of Alberta, January 2014).

17.0 FINANCIAL MANAGEMENT

The OSM Program reserves the right to reallocate project funding during the current fiscal year on the basis of project performance and financial overspend or underspend.

☒ *Please check this box to acknowledge you have read and understand*

In the space below please describe the following:

- *Discuss how potential cost overruns and cost underruns will be managed.*
- *If this is a continuing project from last year, identify if this project was overspent or underspent in the previous year and explain why.*
- *Describe what risks and/or barriers may affect this project.*

Click or tap here to enter text.

18.0 Alternate Sources of Project Financing – In-Kind Contributions

Table 18.1 In-kind Contributions

Add an In Kind Contribution by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table.

DESCRIPTION	SOURCE	EQUIVALENT AMOUNT ($CAD)
Click or tap here to enter text.	Click or tap here to enter text.	$0.00
	TOTAL	**$0.00**

19.0 Consent & Declaration of Completion

Lead Applicant Name

Cheryl Gordon

Title/Organization

MNA Region 1 consultation Coordintor

Signature

Cheryl Gordon

Date

2021-10-05

Government Lead / Government Coordinator Name (if different from lead applicant)

Click or tap here to enter text.

Title/Organization

Click or tap here to enter text.

Signature

Click or tap here to enter text.

Date

Click or tap to enter a date.

PROGRAM OFFICE USE ONLY

Governance Review & Decision Process

this phase follows submission and triggers the Governance Review

TAC Review (Date):

Click or tap to enter a date.

ICBMAC Review (Date):

Click or tap to enter a date.

SIKIC Review (Date):

Click or tap to enter a date.

OC Review (Date):

Click or tap to enter a date.

Final Recommendations:

Decision Pool:

Choose an item.

Notes: *Click or tap here to enter text.*

Post Decision: Submission Work Plan Revisions Follow-up Process

This phase will only be implemented if the final recommendation requires revisions and follow-up from governance

ICBMAC Review (Date):

Click or tap to enter a date.

SIKIC Review (Date):

Click or tap to enter a date.

OC Review (Date):

Click or tap to enter a date.

Comments:

Decision Pool:

Choose an item.

Notes & Additional Actions for Successful Work Plan Implementation: Click or tap here to enter text.