

Forest Resource Improvement Association of Alberta

P.O. Box 11094, Main Post Office, Edmonton, Alberta T5J 3K4

PROJECT SUMMARY – APPLICATION Mountain Pine Beetle Program (the “Program”)

Applicant Information

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|--------------------|--|--------|--|
| Name of Applicant: | | Phone: | |
| Mailing Address: | | Fax: | |
| Contact Person: | | | |
| Delivery Address: | | | |

Project Information

| Type of Project | Term of Project | Amount of Funds Applied For |
|-----------------|-----------------|-----------------------------|
| | | |

Attachments:

_____ Proposal

_____ Proposed payment schedule

_____ Schedule of progress and final reports

_____ Other: _____

Acknowledged by Applicant and/or Sponsor

The Applicant acknowledges having read and agrees to the terms and conditions described on the attached Schedules to which this Application under the Program is made subject. The Applicant acknowledges and agrees that by its submission of this Application it shall be bound by the terms of the Program, FRIAA's policies, procedures, protocols and guidelines. The Applicant also acknowledges and agrees that this Application may be accepted by FRIAA on further terms or conditions which shall be binding on the Applicant once the proposed project is undertaken by the Applicant.

Applicant

Application Date

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Forest Resource Improvement Association of Alberta (“FRIAA”)

P.O. Box 11094, Main Post Office, Edmonton, Alberta T5J 3K4

Terms and Conditions of the Program

The Applicant, having received approval from Alberta Sustainable Resource Development (the “Department”) to undertake a Mountain Pine Beetle Project (the “Project”) in accordance with these terms and conditions and the Program Description set out in Schedule “A”, hereby expressly agrees with FRIAA as follows:

1. The Applicant has requested funding to undertake the Project, is undertaking the Project at the direction of the Department and the Department has approved the Project.
2. These terms and conditions expressly incorporate the Proposal, and the Proposal forms part of these terms and conditions.
3. Where there is a conflict between these terms and conditions and the Proposal, these terms and conditions shall be paramount.
4. The amounts paid under these terms and conditions shall be used exclusively for the Project and not for any other purpose. The Applicant agrees to maintain separate books of account, records and financial statements relating to the Project, and shall identify FRIAA funding applied to the Project.

INDEPENDENT CONTRACTOR

5. The Applicant is expressly not an agent of FRIAA with respect to any matter under these terms and conditions and it shall not in any manner represent itself as an agent of FRIAA.

INDEMNITIES

6. The Applicant shall indemnify and hold harmless FRIAA, FRIAA's service providers, contractors and agents, from any and all claims, demands, actions and costs whatsoever that may arise, directly or indirectly, out of any act or omission of the Applicant, its employees or agents, contractors or sub-contractors, in the performance by the Applicant of the Project or these terms and conditions. Such indemnification shall survive termination of these terms and conditions and completion of the Project.
7. FRIAA shall not be liable or responsible for any bodily or personal injury or property damage of any nature whatsoever that may be suffered or sustained by the Applicant, its employees, agents, contractors or sub-contractors in the performance of the Project or these terms and conditions.

PERMITS AND LICENSES

8. The Applicant represents that it has received all approvals, licenses, certificates and permits required to carry out the Project and the Applicant acknowledges that it may be further required to satisfy FRIAA that all required approvals, licenses, certificates and permits are received or are forthcoming prior to commencement of work on the Project.
9. The Applicant shall be solely responsible for identifying and obtaining all necessary approvals, licenses, certificates and permits.

REPORT REQUIREMENTS AND ACCESS TO RECORDS

10. The Applicant shall maintain separate records and books of accounts relating to the Project.
11. The Applicant shall, as soon as reasonably possible and at any time during the Project, provide any and all information whatsoever that FRIAA requests respecting any matter under these terms and conditions

or the terms of the Project including but not limited to detection and control reports, interim reports and costs reports in the form set out in the Schedules to these terms and conditions, or otherwise required by FRIAA.

12. Without limiting Paragraph 11 above, the Applicant shall make available to FRIAA, including but not limited to FRIAA's appointed auditors or any other person designated by FRIAA, the existing records that relate to the Program or the Project, in whatever form, on request and during normal business hours.
13. Where an audited financial report is required by these terms and conditions, the audited financial report shall be prepared by an independent, qualified Auditor and the report shall be prepared in accordance with the *Canadian Institute of Chartered Accountants Handbook*.
14. The Applicant shall submit a semi-annual unaudited financial report and interim report(s) in the form set out by FRIAA for the Project detailing how much of the Project has been completed, how much money has been spent, and how much of the Project remains to be completed as may reasonably be required by FRIAA or the Department.
15. The Applicant shall submit an audited financial report and a final report containing the information required by the Department set out in Schedule "B" to these terms and conditions, within 30 days of the Project's completion.

MONIES HELD IN TRUST

16. All FRIAA Funds advanced or paid prior to the completion of the Project are hereby held in trust by the Applicant until FRIAA has acknowledged in writing to the Applicant that the Project is completed in accordance with the terms of the Approval by FRIAA.
17. All FRIAA Funds advanced or paid prior to the completion of this Project in satisfaction of the requirements herein shall be held by the Applicant separate and apart from other assets of the Applicant, and shall be returned to FRIAA in the event of:
 - a. termination of the Project by FRIAA,
 - b. the requirements of Paragraphs 15 and 16 are not satisfied, or
 - c. otherwise as may be provided by the Program or the terms of the Project.
18. The Applicant shall be personally liable and where there is more than one Applicant, jointly and severally liable, for ensuring all funding provided by FRIAA is supplied to the Project as required.

PAYMENT OF FRIAA FUNDS

19. The Applicant acknowledges that no payment of funds will be made until such time as a proper request for payment has been approved by FRIAA. FRIAA may require, and then the Applicant shall provide, verification of any information contained in the payment request prior to FRIAA approving payment.
20. Any payment made by FRIAA, where there is false or misleading information provided by the Applicant, shall be considered to have been paid by mistake, and such payment is held in trust by the Applicant for the sole and exclusive benefit of FRIAA. Such payments or funds shall be returned forthwith to FRIAA upon discovery of the mistake.
21. FRIAA maintains the right, at its sole discretion, to withhold any payment until the Applicant provides sufficient verification or information in relation to any matter for which FRIAA reasonably requests verification.
22. All payments made under the Program are made in the sole discretion of FRIAA and in accordance with the terms of the Program. FRIAA may withhold, delay or reduce any particular payment to the Applicant in any of the following circumstances:
 - a. the Applicant has not been able to demonstrate that the Project meets the Program criteria;

- b. there is a breach of any term, condition or provision of the Project, the Program or any contract or agreement between the Applicant and FRIAA;
- c. there is an unsatisfactory audit or compliance review result.

NON-COMPLIANCE

- 23. Failure by the Applicant to carry out any of these terms and conditions or any additional terms and conditions of the Project shall be considered a breach of these terms and conditions and the Project may be immediately suspended or terminated by FRIAA.
- 24. In the event of any breach of the terms of the Project or the Program, no further payment shall be made hereunder by FRIAA.
- 25. In the event of a breach of these terms and conditions, FRIAA may enforce its security, if any, and seek whatever other remedies may be available to it in law or equity, including the return of any funds advanced by FRIAA to the Applicant.
- 26. Failure by the Applicant to provide any deliverable anticipated or required as part of the Project shall be considered a breach of these terms and conditions.

OBJECTIONS

- 27. For the purposes of this Paragraph, "Approved Contractor" has the meaning set out in the Program Description. In the event of any disagreement between the Applicant or an Approved Contractor, as the case may be, and FRIAA regarding the application of the Program or any matter arising in respect of a Project, either party may request a review and resolution of the matter made in writing to the Department.
- 28. All objections shall be governed in accordance with the procedures and policies established by the Department for this purpose.

INSURANCE

- 29. FRIAA will not provide any liability or property insurance coverage for the Applicant with regard to anything in respect of these terms and conditions or the Project.
- 30. The Applicant will maintain all insurance related to its obligations and indemnities hereunder for reasonable limits, or limits as specified by FRIAA from time to time, and in any event, is responsible for all insurance related to its operations and the Project and is required to carry liability coverage in an amount not less than the industry norm, having regard to the business of the Applicant, property coverage where applicable and other coverage that the Applicant may consider necessary.
- 31. The Applicant shall provide to FRIAA a certificate of coverage upon the request of FRIAA.

ASSIGNMENT

- 32. This Project or any part thereof shall not be assigned by the Applicant without obtaining the prior written consent and approval of FRIAA.

WORKERS' COMPENSATION

- 33. The Applicant shall comply with the *Workers' Compensation Act* and shall, upon demand by FRIAA, deliver to FRIAA a certification from the Workers' Compensation Board certifying that:
 - a. the Applicant is registered and in good standing with the Board; or

- b. the Applicant is not required by the *Workers' Compensation Act* and the regulations under that Act to have coverage thereunder for the work; and
- c. FRIAA will not have current or future liability to the Workers' Compensation Board as a consequence of these terms and conditions.

OCCUPATIONAL HEALTH & SAFETY

- 34. FRIAA's role under the Program is strictly limited to providing funding in accordance with the requirements of the Program Description and the Department's approval, and not for any Work undertaken by the Applicant, its employees, agents or contractors.
- 35. For the purposes of the Work undertaken hereunder, FRIAA will have no physical presence on a work site, and specifically has no responsibility for security of or on a work site, as contemplated under the *Occupational Health and Safety Act*.
- 36. FRIAA does not direct, prohibit or discourage, or encourage any particular process, protocol or management decisions of the Applicant.
- 37. The Applicant acknowledges that it
 - a. has the overall responsibility and ultimate authority for directing the activities at the work site;
 - b. is responsible for the hiring of contractors, employers and workers to perform all Work under the Program at the work site;
 - c. has control over the work site and its employees, employers and workers at the work site; and
 - d. is a "contractor" or an "employer", as the case may be, as defined in the *Occupational Health and Safety Act*, and will, as a condition of these terms and conditions, comply with the *Occupational Health and Safety Act* and regulations enacted thereunder.
- 38. The Applicant also acknowledges that it has entered into an agreement with the Department and confirms that in the event that there are two or more employers involved in work at the work site at the same time, the Applicant shall be the "prime contractor" as defined in the *Occupational Health and Safety Act*, and will comply with the *Occupational Health and Safety Act* and regulations enacted thereunder.

WAIVER OF TERMS

- 39. FRIAA may, from time to time, waive the performance by the Applicant of any provisions of these terms and conditions, either before or after the performance takes place, but a waiver:
 - a. is not effective or binding upon FRIAA unless it is in writing and signed by FRIAA, and;
 - b. does not limit or affect FRIAA's rights with respect to any other breach or non-performance, whether previous to, subsequent, or in the future.

TERMINATION

- 40. FRIAA may terminate the Project without cause by giving 30 days' notice to the Applicant, and upon termination, the Applicant is entitled to be compensated in accordance with the terms of the Project, so that any amounts due under the Project at the time of termination remain payable to the Applicant.
- 41. Notwithstanding paragraph 40, above, FRIAA may immediately terminate this contract or the Project if approval of the Department for the Project is terminated, repealed or concluded in any way.
- 42. Upon termination of the Project, the Applicant shall submit a detailed accounting of the Project incurred up to the termination date.
- 43. In the event that the Applicant suffers any damages of any kind whatsoever resulting from the

termination of the Project by FRIAA, the only claim of any kind that the Applicant may make against FRIAA is for liquidated damages in the sum of one dollar (\$1.00).

44. In the event that the Project is terminated for any reason whatsoever, the unexpended funds allocated to the Project remain the exclusive property of FRIAA and may be used for any FRIAA purpose.

OWNERSHIP OF DATA DERIVED FROM THE PROJECT

45. The Applicant hereby grants to FRIAA, a non-exclusive, fully paid up, royalty-free license to use, publish and distribute the data derived from the Project alone or as may be integrated by FRIAA with other data received under the Program or any other item funded by FRIAA under the Project (the "Licensed Materials") anywhere in the world, including, but not limited to publication on the Internet, for a period of thirty (30) years from the date of this Agreement.
46. FRIAA shall not assign the license granted pursuant to Paragraph 45 except to an Affiliate or successor of FRIAA, or to the Government of Alberta, its agents or representatives.
47. FRIAA shall be entitled to grant sublicenses under the license granted pursuant to Paragraph 45.
48. The Company represents and warrants the following:
- a. that the Licensed Materials will be free from infringement of any proprietary rights; and
 - b. the work relating to the Licensed Materials is original or the Applicant has acquired the right to use, publish, license and distribute the Licensed Materials on a world wide basis.

MISCELLANEOUS

49. The Applicant shall comply with the provisions of:
- a. any Act of the Legislature of the Province of Alberta, and of the Parliament of Canada, now in force or enacted hereafter; and
 - b. any regulation in force from time to time under any of the Acts referred to in these terms and conditions;
 - c. any order, directive, policy or procedure required by the Department from time to time relating to the Program and
 - d. any valid by-law, order, resolution, policy or procedure of FRIAA that expressly or by implication applies to the Applicant in respect of these terms and conditions.
50. The Applicant shall execute whatever documents are required to implement and register these terms and conditions or the security interests granted hereunder.
51. No addition to, deletion from, or variation or amendment of, any provision of these terms and conditions shall be binding on the parties hereto unless it is in writing signed by the parties.
52. The Applicant agrees to be bound by all bylaws, policies and procedures of FRIAA and agrees to take whatever steps are necessary to give effect to all bylaws, policies and procedures of FRIAA.
53. The Applicant represents and warrants that all information provided to FRIAA in respect of the Project, and in all documents that are provided by the Applicant to FRIAA, is true and accurate.
54. The Applicant agrees that the Project will be carried out in an environmentally responsible manner.

SCHEDULE “A”
PROGRAM DESCRIPTION

1.01 Definitions:

- (a) “Applicant” means an applicant to FRIAA who applies for MPB Funds by submitting a Proposal;
- (b) “Approval” means the written approval of FRIAA, including the terms set by FRIAA used to implement an approved Proposal;
- (c) “Association” or “FRIAA” means the Forest Resources Improvement Association of Alberta;
- (d) “Approved Contractor” means an Applicant whose Proposal has received Approval;
- (e) “Department” means Her Majesty the Queen in Right of Alberta as Represented by the Minister of Sustainable Resource Development;
- (f) “Eligible Activity” means an activity related to the treatment of forested areas to control, suppress or eradicate the MPB that is not the existing tenure, regulatory or legislative responsibility of any timber disposition holder and includes, but is not limited to, activities such as aggregation pheromone use, detection surveys, single tree control (“Level 1 Control”), protection of seed orchards and research plots and seed collection as outlined in Appendix “A”.

Any activity related to:

- (i) facility construction, improvement or operations,
 - (ii) product research and development,
 - (iii) road construction, repair and maintenance,
 - (iv) the purchase of any capital assets, or
 - (v) a project carried out prior to project approval unless, in FRIAA’s sole opinion, it is justified for operational circumstances
- is not an Eligible Activity;
- (g) “Member” means a member of FRIAA;
 - (h) “MPB” means the Mountain Pine Beetle (*Dendroctonus ponderosae* Hopkins);
 - (i) “MPB Funds” means the funds that FRIAA has available for Projects arising out of the Mountain Pine Beetle Grant Agreement (the “Agreement”) as between FRIAA and the Department;
 - (j) “Program” means the Mountain Pine Beetle Program;
 - (k) “Project” means a Proposal that has received Approval under the Program;
 - (l) “Project Administrator” means an Applicant who has obtained Project approval from FRIAA, and shall include a sponsor, where applicable;
 - (m) “Proposal” means a plan, involving one or more Eligible Activities, which is specific in nature, outlining the Eligible Activities being considered for approval under the Program.

PROGRAM PURPOSE

2.01 The purpose of the Program is to maintain and enhance the forest resource of Alberta by assisting the Department in the control, suppression and eradication of the MPB. The Program does not absolve Members, any Approved Contractor or government of their respective responsibilities for sustained yield forest management; rather, it encourages activities that are above and beyond required forest management functions.

2.02 Activities related to the control and suppression of the MPB are eligible under the Program if they enhance the forest resource and are not the responsibility of a timber disposition holder.

MPB FUNDS

3.01 MPB Funds collected by FRIAA are under the direct control of FRIAA and are to be used to support the Program.

3.02 FRIAA shall maintain all books of account and records relating to the MPB Funds and shall distribute the MPB Funds in accordance with the Agreement, this Program Description and applicable Acts and regulations.

APPROVAL OF PROPOSALS

4.01 An Applicant may submit a Proposal for a Project to FRIAA in accordance with this Program Description and the policies and objectives of FRIAA.

4.02 FRIAA shall evaluate the Proposal using the following criteria:

- (a) the Proposal has received Department approval;
- (b) the expenses set out in the Proposal must be reasonable in all the circumstances and must not exceed the amounts as specified in Appendix "A";
- (c) the Proposal must not be contrary to the objects of FRIAA, the bylaws, or the provisions of relevant regulations or legislation;
- (d) A Proposal must demonstrate that the Applicant is able to complete the proposed Project economically and efficiently, and in so determining, FRIAA may take into consideration the Applicant's proximity to the location of the proposed Project, the Applicant's experience in performing such projects, the availability of resources to the Applicant, and whether the Applicant has in the past complied with applicable Acts and regulations;
- (e) A Proposal must be made in writing and submitted by:
 - (i) a Member;
 - (ii) an Applicant acting on behalf of a Member;
 - (iii) a licensee; or
 - (iv) a permitteewhose Proposal has been approved by the Department.
- (f) All Eligible Activities must be conducted within provincial strategies and local priorities as determined by the Department;
- (g) All Eligible Activities must be conducted in a coordinated fashion with the Department, with any data or information obtained or acquired being immediately provided to the Department;
- (h) All matters of the administration of and accountability for a Project shall be the sole responsibility of the Applicant; and
- (i) Notwithstanding (e), above, where the Applicant is not a Member, the Applicant and the Member on behalf of whom the Application was made and each of them, shall be jointly and severally responsible and accountable for ensuring the Project is completed in accordance with the terms of the Project Proposal and the Approval.

4.03 Where a Proposal includes Eligible Activities that are, in the opinion of FRIAA, the responsibility of a timber disposition holder, only that portion of the Proposal that is not the responsibility of a Member or timber disposition holder is eligible for funding under the Program.

4.04 FRIAA shall not approve any applications or Proposal that, in its reasonable opinion and having regard to all the circumstances, has the effect of providing subsidies to the forest products industry, and will therefore require that all applications and Proposals comply with FRIAA's objectives, policies, the Program purpose, and the criteria set out in Article 4.02 herein.

4.05 FRIAA's Approval of a Proposal shall be limited by the availability of MPB Funds for the Proposal, notwithstanding any other term of this Program, and for Proposals generally.

4.06 Where FRIAA approves a Proposal, an Approval shall be prepared and forwarded by FRIAA to the Approved Contractor for execution outlining the terms and conditions of FRIAA to implement the Proposal, one of which being that the Approved Contractor covenants and agrees to carry out the Project to completion.

4.07 The terms and conditions of the Approval, as well as the Proposal shall be included in the Approval.

4.08 The Approval shall address:

- (a) the total maximum amount payable under the Approval, having regard to the schedule of Eligible Activities proposed and agreed to;
- (b) a schedule of reasonable and justifiable payments under the Approval;
- (c) the terms and conditions of the Proposal;
- (d) any other terms and conditions required by FRIAA;
- (e) any other conditions that are necessary to carry out the Project, including audit procedures and reporting requirements.

4.09 Where FRIAA does not issue an Approval in respect of a Proposal, FRIAA shall state which of the criteria set out in Article 4.02 or Article 4.05 were considered in its response to the Applicant.

USE OF MPB FUNDS

5.01 Any amounts payable under an Approval shall be used exclusively by an Approved Contractor for Projects approved by FRIAA in accordance with the Approval.

5.02 MPB Funds shall not be made available, and shall not be used, for the purchase of any capital asset.

5.03 Use of MPB Funds for any purpose other than that described in Articles 5.01 or 5.02, above, by the Approved Contractor, creates a right in FRIAA to immediately terminate the Approval with the Approved Contractor, and a right to the immediate return of any MPB Funds paid or payable in respect of the Approval and the Project.

5.04 All MPB Funds will be advanced or paid by FRIAA as reimbursement for expenses already incurred and paid for by the Applicant. Where a payment is otherwise made by FRIAA prior to the expense being incurred or prior to the completion of a Project in accordance with its approved terms and conditions, the payment shall be an advance and shall be held in trust by the Applicant until completion of the Project, or returned to FRIAA upon request.

5.05 Any MPB Funds advanced prior to the completion of the Project are deemed to be held in trust by the Applicant until FRIAA has acknowledged in writing to the Applicant that the Project is completed in accordance with the terms of the Approval.

5.06 All MPB Funds advanced prior to the completion of a Project in accordance with the Project shall be returned to FRIAA in the event of:

- (a) termination of the Project by FRIAA, or
- (b) the requirement of Article 5.04 is not satisfied, or
- (c) otherwise as may be provided by the Program or the terms of the Proposal or the terms and conditions of the Approval.

REPORTING AND AUDIT REQUIREMENTS

6.01 An Approved Contractor shall provide any information whatsoever that FRIAA requests respecting any Proposal, Project or request for MPB Funds, and this provision shall be a requirement of the Approval. This information may be required to be provided in a form prescribed by FRIAA from time to time;

6.02 Without limiting the generality of the foregoing, FRIAA may request and shall receive from any Approved Contractor:

- (a) a report from an independent, qualified accountant, in accordance with the *Canadian Institute of Chartered Accountants' Handbook*;
- (b) performance of an audit, or prompt, complete responses to audit inquiries or requests;
- (c) financial reports co-ordinated to FRIAA's fiscal year end for each Project detailing how much has been spent for the specific Project and how much remains by approved cost categories;

- (d) the submission of technical reports, co-ordinated to the Approved Contractor's fiscal year end for each Project summarizing the Eligible Activities completed and what remains to be done;
- (e) an end of Project technical report summarizing the results of the Project.

6.03 FRIAA has a right to conduct random audits on Projects and has a right to conduct random sample audits and post-Project audits from time to time as may be considered appropriate or expedient at the sole discretion of FRIAA.

REVIEW OF APPROVALS

7.01 Except where approval is not given to a Proposal pursuant to either Article 4.02(a) or 4.05, in the event there is disagreement between the Applicant or Approved Contractor, as the case may be, and FRIAA regarding the application of the Program or any matter arising as a result of the Approval, either party may request a review and resolution of the matter in writing to the Department, which review shall be conducted in a prompt and fair manner in accordance with the procedures and policies established by the Department.

ADMINISTRATION OF APPROVALS AND PROJECTS

8.01 In the event an Approved Contractor is in breach of or otherwise fails to perform, for any reason whatsoever, any provision or term or condition of an Approval, or is in contravention of any policy or rule of FRIAA, FRIAA may, in its sole discretion, do one or more of the following in addition to any other rights it may have at law or otherwise:

- (a) terminate any and all agreements with the Approved Contractor;
- (b) suspend or cancel membership in FRIAA;
- (c) demand and be entitled to receive from the Approved Contractor any and all paid, disbursed and undisbursed MPB Funds advanced by FRIAA on account of any Project or pursuant to any Approval;
- (d) withdraw Approval of a Project at any stage of the Project;
- (e) commence any action or take any steps that FRIAA may consider just or appropriate in the circumstances.

8.02 In the event of the death of an individual Approved Contractor (the "Deceased") prior to the completion of the Project, the estate or personal representative of the Deceased may, upon meeting the reasonable requirements of FRIAA, complete the Project in accordance with the Approval entered into regarding that Project.

8.03 In the event of the appointment of a receiver over the assets and affairs of an Approved Contractor, FRIAA may allow, in its sole discretion, the receiver to carry out the terms of the Approval, provided always the receiver be obligated to the same extent and in the same manner as the Approved Contractor. Further, FRIAA may, in its sole discretion, allow MPB Funds to be utilized by the receiver of an Approved Contractor in a manner that is in accordance with the Program and the Approval, as well as any applicable agreement, all as if the receiver is the original Approved Contractor.

SCHEDULE “B”

FINAL REPORT REQUIREMENTS

(ASRD Revised: January 16, 2008)

The Department requires a final report to be submitted for each of the approved mountain pine beetle management activities. **All reports must contain the following information:**

1. Summary of Program Activities and goals;
2. Description of the outcome of the Program that clearly shows how the Program goals and objectives were met, and those that were not met and why;
3. Financial statements;
4. Activity Status Report as set out in the Appendix; and
5. Suggestions for future improvements.

ACTIVITY SPECIFIC REPORT REQUIREMENTS

1. AGGREGATION PHEROMONE USE

a. Long Distance Dispersal Monitoring

- Interim report due by August 10; and
- Final report due by October 15.

Additional Report Requirements:

- Date of bait set-up and removal;
- Person/persons who set-up and removed baits;
- Map of bait locations;
- GPS locations of baited trees;
- Results of 50% site check;
- Results of final site check;
- Map of results from final site check; and
- Method of control of attacked trees.

b. Containment Baiting

- Final report due by November 30.

Additional Report Requirements:

- Date of bait set-up and removal;
- Person/persons who set-up and removed baits;
- Map of bait locations;
- GPS locations of baited trees;
- Completed Industry Bait Deployment Database or other tracking database that has been approved by ASRD; and
- Method of control of attacked trees.

c. Mop-up Baiting

- Final report due by November 30.

Additional Report Requirements:

- Date of bait set-up and removal;
- Person/persons who set-up and removed baits;
- Map of bait locations;
- GPS locations of baited trees;
- Completed Industry Bait Deployment Database or other tracking database that has been approved by ASRD; and
- Method of control of attacked trees.

d. Log Yard Management

- Final report due by November 30.

Additional Report Requirements:

- Date of trap set-up and removal;
- Date(s) of trap checks;
- Person/persons who set-up and removed baits;
- Map of log yard with trap locations;
- Summary of interim and final trap counts; and
- Further work required (survey of trees in log yard, *etc.*)

2. DETECTION SURVEYS

a. Aerial Surveys

- Final report and submission of data by October 1.

Additional Report Requirements:

- Date of aerial surveys;
- Person/persons who conducted the surveys;
- Map of aerial survey area; and
- Shapefile of data (following data submissions outlined in Appendix 2 of Alberta Sustainable Resource Development Guidelines for MPB Project Proposals).

b. Ground Surveys

- Final report due 30 days following final surveys; and
- Bi-weekly submission of original field tally cards (provided by ASRD to local Forest Health Officers).

Additional Report Requirements:

- Summary of surveys
 - type of surveys (transect, concentric, walkthrough, infestation extent);
 - number of sites surveyed using concentric surveys;
 - the estimated number of hectares surveyed for all other surveys;
 - the number of currently attacked trees found in each survey area (green needles); and
 - the number of old attacked trees found (red needles) in each surveyed area.
- Map of survey areas and location of concentric plots; and
- Method of control of attacked trees (Level 1 or Level 2).

3. SINGLE TREE CONTROL

- Final report due 30 days after final control date.
- Copies of all data sheets to be included with the final report.
- The final report should include:
 - Summary of control activities
 - location of control activities
 - list of MPB Site Numbers controlled
 - number of currently attacked trees controlled
 - number of old attacked trees (red needles) felled
 - method of control; and
 - date of control and the names of the control crew (and associated contractor)

4. PROTECTION OF GENETIC TRIALS, ORCHARDS AND RESEARCH PLOTS

Where documentation is required under the Standards for Tree Improvement in Alberta (“STIA”), the company must provide a copy of the report or the excerpt from the report to FRIAA as per STIA timelines.

a. Genetic Trials and Research Plots

i. Verbenone

- Final report due October 31.

Additional Report Requirements:

- Map of area with locations of pheromones (verbenone, tree baits, Lindgren funnel traps);

- Dates of set-up and removal; and
- Summary of results(including ground surveys for MPB presence within trials and research plots.

ii. Pesticide application

- Final report due October 31.

Additional Report Requirements:

- Map of area with locations of trees sprayed;
- Dates of pesticide application; and
- Summary of results.

b. Orchards

- Submission of an Orchard Annual Operations Report as per STIA (Section 32.8.4 and Appendix 35) with all MPB related activities documented under the “Insect and Disease Incidence” section.

5. SEED ORCHARD EXPANSION AND SEED COLLECTIONS

Where documentation is required under STIA, the company must provide a copy of the report or the excerpt from the report to FRIAA as per STIA timelines.

a. Orchard Expansion

- Submission of the “Production Facility Establishment Report” or the “ Annual “Addendum” as per STIA (Section 32.8.1 and Appendix 32).

b. Seed Collection

- Submission of a “Registration Request Form - Stream 1” completed to ASRD’s satisfaction by October 31.

APPENDIX TO FINAL REPORT

ACTIVITY STATUS REPORT

MOUNTAIN PINE BEETLE PROGRAM - ACTIVITY STATUS

COMPANY:

REPORTING PERIOD ENDING:

Aggregation Pheromone Use

| ACTIVITY | Units (ha, kg hl or #) | Expenditures (\$) |
|---|---------------------------|-------------------|
| <i>Long Distance Dispersal Monitoring</i> | | |
| 2-Component Tree Bait | | |
| Long Distance Dispersal Monitoring Plan | | |
| Bait Set-up | | |
| Bait Checks | | |
| Bait Removal | | |
| Interim Report (to Forest Health Officer) | | |
| Reporting | | |
| SUB-TOTAL | \$ | - |

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|-------------------------|----------------------------|-------------------|
| <i>Mop-up Baiting</i> | | |
| 2-Component Tree Bait | | |
| Mop-up Baiting Plan | | |
| Bait Tracking Database | | |
| Bait Set-up | | |
| Bait Removal and Report | | |
| Reporting | | |
| Other | | |
| SUB-TOTAL | \$ | - |

| ACTIVITY | Units (ha, kg hl or #) | Expenditures (\$) |
|----------------------------|---------------------------|-------------------|
| <i>Containment Baiting</i> | | |
| 2-Component Tree Bait | | |
| Containment Baiting Plan | | |
| Bait Tracking Database | | |
| Grid Baiting Set-Up | | |
| Grid Baiting Removal | | |
| Spot Baiting Set-up | | |
| Spot Baiting Removal | | |
| Reporting | | |
| SUB-TOTAL | \$ | - |

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|---|----------------------------|-------------------|
| <i>Log Yard Management</i> | | |
| Log Yard Management Plan | | |
| Lindgren Funnel Trap | | |
| Lindgren Funnel Trap Lure (3-Component) | | |
| Lindgren Funnel Trap Lure (Terpinoline) | | |
| Lindgren Funnel Trap Stand | | |
| Set up, Check and Remove Funnel Traps/Lures | | |
| Survey of Identified Adjacent Stands | | |
| Reporting | | |
| SUB-TOTAL | \$ | - |

Aggregation Pheromone Use Total: \$ -

Detection Surveys

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|---|-------------------------|-------------------|
| <i>Aerial Surveys</i> | | |
| Aerial Photography (Pre-Approved) | | |
| Aircraft Rental | | |
| Planning and Data Management | | |
| Survey Manpower | | |
| Supervision (Contract or Staff Surveyors) | | |
| Reporting | | |

SUB-TOTAL: \$ -

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|---|-------------------------|-------------------|
| <i>Ground Surveys</i> | | |
| Planning | | |
| Survey Manpower | | |
| Supervision (Contract or Staff Surveyors) | | |
| Reporting | | |

SUB-TOTAL: \$ -

Detection Surveys Total: \$ -

Level 1 Treatment

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|----------------------------|-------------------------|-------------------|
| <i>Single Tree Control</i> | | |
| Ground Treatments | | |
| Reporting | | |

SUB-TOTAL: \$ -

Level 1 Treatment Total: \$ -

Protection of Genetic Trials, Orchards and Research Plots

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|---|-------------------------|-------------------|
| <i>Dispersal Pheromone (Verbenone)</i> | | |
| Site Protection Management Plan | | |
| Verbenone | | |
| 2-Component Tree Bait | | |
| Lindgren Funnel Trap | | |
| Lindgren Funnel Trap Lure (3-Component) | | |
| Lindgren Funnel Trap Lure (Terpinoline) | | |
| Set up and Removal of Traps | | |
| Reporting | | |
| Insecticide Application | | |
| Costs for Monitoring/Replacement of PSPs/ISPs | | |

SUB-TOTAL: \$ -

Protection Total: \$ -

Seed Collection & Seed Orchard Expansion

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|---|-------------------------|-------------------|
| <i>Seed Collection & Seed Orchard Expansion</i> | | |
| Seed Collection Plan | | |
| Aerial or Ground Collection (hl) | | |
| Seed Extraction and Viability Testing (kg) | | |
| Tree Graft Production/Grafts Planting | | |

SUB-TOTAL: \$ -

Seed Collection & Seed Orchard Expansion Total: \$ -

Training

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|-------------------------|-------------------------|-------------------|
| <i>Training</i> | | |
| Course Fee | | |
| Accommodation and Meals | | |

SUB-TOTAL: \$ -

Training \$ -

Annual Operating Plan

| ACTIVITY | Units (ha, kg, hl or #) | Expenditures (\$) |
|---------------------------------|-------------------------|-------------------|
| <i>Annual Operating Plan</i> | | |
| Abandoned Cutblock Layout Costs | | |
| Abandoned Road Layout Costs | | |

SUB-TOTAL: \$ -

Annual Operating Plan \$ -

Reimbursement Total: \$ -

EXPENSE SUBMISSION COMMENTS:

| | |
|----------------------------------|------------------|
| For FRIAA / SRD Use Only: | |
| COMMENTS: | _____ |
| | _____ |
| | _____ |
| APPROVAL: | _____ |
| | Todd Nash Date |
| | _____ |
| | Bruce Mayer Date |