

U.S. Army Corps of Engineers Attachment 2: Minimization Plan

Submit this with APMAs for all applications

Operator/Company Name:		
APMA:	Corps permit # (for this APMA):	
Waterway:	Date:	
Part 1: Avoidance Measures. <i>These measures avoid impacts to wetlands and streams.</i>		
Are you conducting test drilling or other exploration ahead of mining to mine only economic ground?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Can you conduct some activities, such as mobilization or exploration, in winter?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Can your project be accomplished without building a road?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Is your project or a portion of your project located in uplands or in a previously mined area? For example, are you using an existing camp, access road, or stockpiles?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Are you working on a bench or other area located at a distance from a stream?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
If your project requires stream crossings, can it be accomplished with fewer crossings?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Can your project be accomplished without building a stream diversion?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Based on the boxes that you checked, describe how you will avoid impacts to wetlands or streams:		
Part 2: Minimization Measures. <i>Minimization for stream relocations/diversions is addressed in Stream Channel form.</i>		
<i>Most minimization measures are minor project modifications that satisfy the project purpose and need while maintaining or improving environmental quality. Examples are: reducing the size of the project, changing construction methods, materials, or timing; and operation and maintenance practices.</i>		
Customary sequence:		
Does your mine plan follow a customary sequence of activities, or phases, involving exploration, development, mining, and reclamation?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Erosion control:		
Condition 1(a) of the GP requires that operations shall be managed to avoid erosion of fill material beyond the limits of your mine site into waters of the U.S.		
Have you considered how site-specific conditions such as gradient (slope steepness),		

<p>soil type (more erodible/less erodible), risk of landslide or slope failure once vegetation is removed, presence of permafrost and other factors influence the risk for erosion off of your mine site?</p> <p>Have you considered use of erosion control methods to be used during all phases of mine operation and during periods of shut down?</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/></p>
<p>Describe what you will do to manage erosion at your site:</p>	
<p>Water management:</p> <p>Condition 1(c) of the GP requires that you use measures consistent with standard construction practices to slow, collect, and retain water at the site. These measures prevent sedimentation beyond the limits of mine site.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/></p>
<p>Describe or sketch what you will do for water management at your site:</p>	
<p>Riparian Area Management:</p> <p>Have you contacted the Alaska Department of Fish & Game to confirm what type of stream is at your site?</p> <p>Person contacted: _____ Date: _____</p> <p>Have you considered: the types of vegetation present, potential for salvage, transplant, or regrowth? Regional growing seasons and recovery rates?</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/></p>
<p>Describe or sketch what you will do to manage the riparian area at your site:</p>	

Part 3: Minimization Measures - Reclamation Plan for Aquatic Resources	
<p>Condition 3 of the GP describes several options for reclamation of aquatic resources, including revegetation of non-wetland riparian areas, construction of swales, wetlands, or shallow open water areas, work on historically mined areas, or any other project that you propose. Reclamation proposals must be approved by the Corps.</p> <ul style="list-style-type: none"> Please attach your Reclamation Plan to this Mitigation Statement. Your proposal should include a Plan View and Cross Section, with dimensions and location, and a brief description of your restoration project. Your plan will become a part of your permit. If you fail to provide this information, special conditions to restore aquatic resources may be added to your GP. <p>Please describe what you will do for your Reclamation Plan:</p>	

Part 4: Compensatory Mitigation is not required under the GP. However, this section informs you of all options available. You must check one option or make your own statement on compensatory mitigation.	
<input type="checkbox"/>	Option A - Compensatory Mitigation is not being proposed for this project because the avoidance and minimization measures described in this Mitigation Statement are appropriate and practicable to the scope and degree of the environmental impacts of the project.
<input type="checkbox"/>	Option B – Permittee Responsible Mitigation will be conducted.
<input type="checkbox"/>	Option C – Compensatory Mitigation will be addressed with either submittal of an In-Lieu Fee or purchase of credits from an approved Mitigation Bank.