

ALASKA'S AQUATIC FARM PROGRAM

January 1st through April 30th

PART I

APPLICATION PROCESS, GUIDELINES, AUTHORIZATIONS AND CONTACTS

The joint-agency application package is presented in two parts: Part I (this section) - Application Process, Guidelines, Authorizations, and Contacts and Part II – Instructions and Application. Part I of the packet provides you with information about the Alaska Aquatic Farm Program application process, requirements, and guidance for aquatic farm site development. It will help you understand how to obtain the authorizations required by the Alaska Departments of Natural Resources (ADNR), Fish and Game (ADF&G), and Environmental Conservation (ADEC) to site, develop, and operate your aquatic farm. Part II of the package contains the joint-agency application and instructions for completing it. The joint-agency application consolidates all applications for each state agency into one to help minimize the paperwork applicants have to complete to obtain authorizations for an aquatic farm.

If you have questions or would like any assistance with the application (Part II), please contact Renee Romsland, ADNR at (907) 269-8543 and/or Cynthia Pring-Ham, ADF&G at (907) 465-6150.

A. APPLICATION PROCESS – 9 STEPS

An aquatic farm application opening is offered every year from **January 1st through April 30th**. The Aquatic Farm Program is administered through a batch processing method wherein all applications received during the opening period are processed on the same schedule. It is highly recommended that applicants request a pre-application meeting prior to submitting an application. Additionally, applicants should allow time to discuss their proposal with any federal agencies such as U.S. Army Corps of Engineers (USACE) to obtain information on their requirements and authorization. The time to complete the application review process for a lease and operation permit can vary, but typically, it takes approximately, nine months for a proposed aquatic farm operation project using suspended culture methods and approximately, fifteen months for a proposed aquatic farm project using near-bottom or on-bottom culture methods. The following information outlines the application process. Refer to Page 5 for a flow chart of the application review process.

- 1. Pre-Application Meeting.** Applicants are encouraged to request a pre-application meeting through the Departments of Natural Resources and Fish and Game. State agency personnel will be happy to help all potential farmers with site selection, developing maps, and completing the application.
- 2. The Application and the Fees.** Complete applications need to be submitted to the Department of Natural Resources/Anchorage office along with required fees. ADNR will then make copies and distribute them to other state agencies for review. A summary of all State of Alaska fees for aquatic farm authorizations, operations, and renewals is included.
- 3. ADNR Preliminary Decision, Public Review, and Comment.** Preliminary decisions are written by taking information from the application, input from state agencies, and by following statutory and regulatory requirements. They include the proposed action and a recommended decision. Public comment is then taken on the preliminary decision. Public meetings or public hearings can be requested by contacting ADNR.

4. **ADF&G Site Survey and Review.** For on-bottom (clam culture) aquatic farm projects, a site biomass survey to determine the existing population of shellfish to be cultured is required by ADF&G. Applicants will be contacted by ADF&G to schedule the biomass survey.
5. **ADNR Final Finding and Decision.** The ADNR will prepare a final findings and decision document, which will include participating agency stipulations that the applicant will be required to adhere to throughout the 10-year lease. The final decision will be sent to the applicant and all interested parties.
6. **ADF&G Review and Determination.** The ADF&G will review and make a determination regarding the operation permit. A preliminary decision will be sent to DNR and to the applicant. If a survey is required, the applicant will be sent the results.
7. **ADNR Lease.** The ADNR will issue the lease for signature. The applicant then returns the signed and notarized lease along with the first annual lease fee and proof of bond security requirement. The ADNR will sign the final lease and send it to the new lease holder.
8. **ADF&G Operation Permit.** If approved and a final signed ADNR lease is issued (for state lands only), ADF&G will issue the operation permit to construct and operate an aquatic farm once a final lease has been executed. The operation permit will include conditions that the applicant will be required to adhere to throughout the 10-year operation permit.
9. **ADEC Pre-Harvest and Sale Requirements.** A farmer will need to obtain a growing area classification, a shellfish shipper permit, a harvest permit, and have a shellfish sampling plan prior to harvest. The ADEC fee is \$500 for the initial water classification, \$162 for a Shellfish Harvest permit, \$162 for the Shellfish Shipper permit, \$649 for a Shellfish Shucker Packer permit, and \$325 for a Shellfish Repacker permit. A farmer will be expected to collect water samples and pay for shipping to the ADEC laboratory in Anchorage.

Special Area Permit: For proposed farm projects in the Kachemak Bay Critical Habitat Area, ADF&G also requires an additional permit review and approval of the project proposal. A Special Area Permit to proceed with the project will be issued and include permit conditions that the applicant will be required to adhere to throughout the 5-year permit. An operation permit has to be approved prior to obtaining this special area permit.

Federal Authorizations: A number of federal authorizations may also be required for aquatic farm operations. Applicants should confer with the following agencies to determine which federal authorizations are necessary:

- United States Army Corps of Engineers (USACE) for uses within navigable waterways. USACE Permits are required for any structures to be used at the proposed farm site in navigable waters.
- United States Forest Service (USFS) for associated upland use within national forests.
- United States Fish and Wildlife Service (USFWS) for proposals within wildlife refuges.

B. SITING YOUR AQUATIC FARM

In general, a suitable site for your shellfish farm should have:

- Good oxygen exchange/flushing and water circulation
- Adequate salinity, temperature, and phytoplankton in the water
- Low probability of severe storms or winter icing
- Acceptable water quality and no history of pollution sources
- Sufficient water depth to at least 40 ft., at MLW (mean low water), to allow clearance under suspended gear at low tides
 - Depths equal to or greater than 60 ft. are recommended to enable farmers to drop gear if water temperatures go higher than 60° F to help minimize *Vibrio* sp. bacterial growth
- Accessibility to site
- No history of disease organisms or harmful plankton blooms

- no nearby seal/sea lion haul outs or pupping areas, seabird colonies, eagle nests or anadromous fish streams. The Catalog of Waters Important to the Spawning, Rearing or Migration of Anadromous Fishes (Anadromous Waters Catalog) can be viewed at the following website: <http://www.adfg.alaska.gov/sf/SARR/AWC/index.cfm?ADFG=main.overview>
- no nearby fish hatcheries

The Alaska Sea Grant Program has useful information on the Alaska shellfish aquaculture industry that can be accessed on their Program web page at: <http://seagrant.uaf.edu/map/aquaculture/shellfish/index.html>

C. SENSITIVE AREAS AS SET FORTH BY THE ADNLR, ADF&G and ADEC

The following areas are considered sensitive and should be avoided when choosing an aquatic farm site. Applicants who apply in or near a sensitive area should contact the responsible state agency to determine how a farm site might be situated to avoid significant impacts.

- Herring Spawning Areas or Kelp and Eelgrass Beds (ADF&G)
- Shorebird, Waterfowl or Sea Otter Concentration Areas (ADF&G)
- Black and Brown Bear Concentration Areas and Travel Corridors (ADF&G)
- Shallow Areas - Less Than 40 Feet at MLW (mean low water) utilizing suspended culture - certain shallow areas serve as nursery areas for fish, shellfish or aquatic plants (ADF&G)
- Commercial, Subsistence or Personal Use Harvest Areas (ADF&G)
- Poor Current Circulation Areas - currents should be sufficient to disperse biological wastes (ADEC)
- Heavily Used Anchorages (ADF&G, Sport Fisheries Division; ADNLR, Mining, Land and Water Division – management plans, and/or the applicable U.S. Coast Pilot)
- Floatplane Access Areas (ADEC; ADNLR)
- Hatchery Harvest Areas: Aquatic farms or facilities sited within Special Harvest Areas (SHA) or Terminal Harvest Areas (THA) must have approval of the hatchery operator/manager. (ADF&G)
- Oiled areas from the 1989 Exxon Valdez oil spill. For questions regarding specific areas, contact the Pipeline Corridor Regional Office at (907) 271-4336. (ADEC)

Some areas in the state that have been legislatively designated for purposes other than aquatic shellfish farms. The following areas are not compatible with aquatic farm development projects:

- State Game Refuges and Sanctuaries, State Parks and Marine Parks, State Critical Habitat areas and commercial Pacific geoduck harvest areas. The Fox River Flats and Kachemak Bay Critical Habitat Areas allow aquatic farms, but farms are limited to suspended culture only.
- Some coastal communities have designated areas for subsistence, natural hazards, recreation and important habitat. Development in these areas may be subject to separate local permit reviews and require stipulations under the community authorizations.

D. GROWING AREA CLASSIFICATION CRITERIA (ADEC)

Prior to developing an aquatic farm site, the water surrounding a proposed growing area must be safe for the harvest and sale of shellfish. The Alaska Department of Environmental Conservation (ADEC) is charged with seafood safety and has a program for classifying waters for aquatic farms. Farmers should consider the following items when searching for a suitable aquatic farm site:

- Areas used by boats for recreation, moorage and anchorage, or in close proximity to a proposed growing area may cause conditions that could prevent classification of the growing area.
- Farms should be sited in areas free of waste discharge. Caretaker housing facilities are allowed, but must be a minimum of 300 feet from the boundary of a growing area if sewage is discharged. ADEC can approve a sewage disposal system adequate to protect shellfish from contamination for any caretaker facilities associated with an aquatic farm operation.

- Areas used by commercial fishing or personal use fishing/hunting within the immediate area or in close proximity to the growing area could cause conditions that could prevent classification of the growing area.
- Large wildlife populations in the area and/or the presence of anadromous streams may cause conditions that will affect water quality and thus food safety. This may be resolved in a classification area by limiting harvest times.
- An upland area where cabins and homes exist may cause conditions that could cause food safety issues and thus prevent classification of the growing area. Previously existing facilities may have septic tanks that have been permitted by ADEC with in-water discharge of sewage which may prevent classification of the growing area.

Always contact ADEC-Environmental Health for consultation prior to completing your application. For additional information and assistance regarding these health classification guidelines, please contact the ADEC Shellfish Program Coordinator, Division of Environmental Health, at (907) 269-7638.

Figure 1: Aquatic Farm Application Review Flow Chart

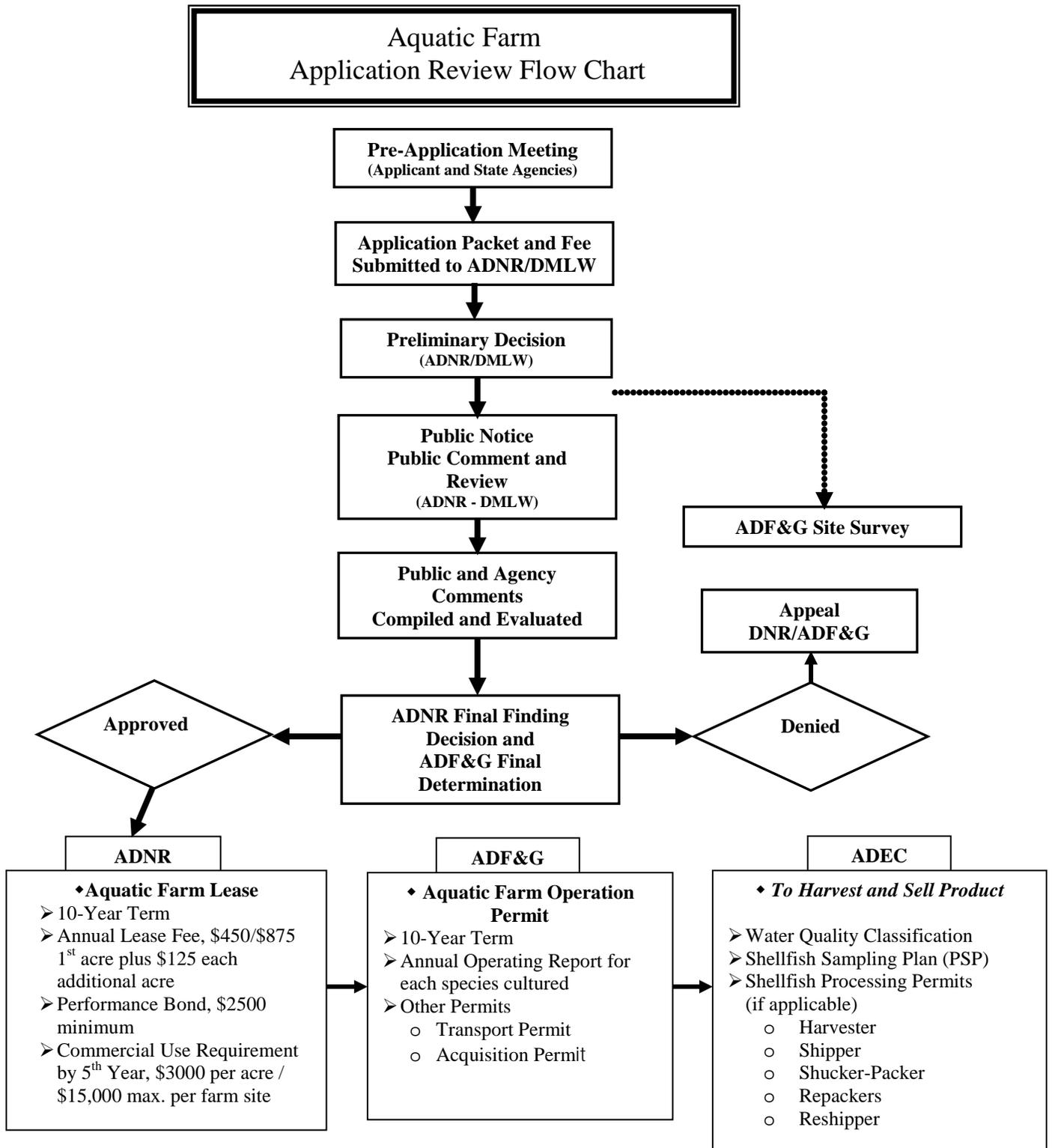


Figure 2: State of Alaska Fees for Shellfish Aquatic Farm Authorization and Operations (Initial Year and Years 2-10)



State of Alaska Fees for Shellfish Aquatic Farm Authorizations and Operations¹

Type of Farm Culture Methods Used	Farm Acreage	Year 1							Years 2-10					Years 1-10			
		Over-the-counter location packet Fee ²	DNR Application Fee ^{5,17}	DNR Public Notice ¹¹	DNR Annual Lease Fee ⁴	DNR Security Bond ^{3,18}	ADF&G Wild Stock Survey Fee ^{6,7}	DEC Sanitary Survey Initial Fee, Water Classification ^{8,9,12}	Total Fees Each Year ^{11,15} (Min/Max)	DNR Annual Lease Fee ^{4,17}	DEC Sanitary Survey, Water Reclassification Annual Reapproval Fee ¹²	DEC Shellfish Harvester Permit Annual Fee ¹²	DEC Shellfish Shipper (SS) Annual Permit Fee ¹²	DEC Shellfish Reshipper (RS) Permit Annual Fee ^{12,14}	DEC Shellfish Shucker-Packer (SP) Permit Annual Fee ^{12,14}	Total Cost Each Year ^{13,16} (Min/Max)	Total Fees for All 10 Years ^{13,16} (Min/Max)
Suspended	1 acre	\$25	\$100	\$1,000	\$450/\$875	\$2,500	\$0	\$500	\$4,575/\$5,000	\$450	\$150	\$162	\$162	\$162	\$649	\$1,259/\$1,521	\$18,424/\$21,731
Suspended	3 acre	\$25	\$100	\$1,000	\$700/\$1,125	\$2,500	\$0	\$500	\$4,825/\$5,250	\$450	\$150	\$162	\$162	\$162	\$649	\$1,259/\$1,771	\$18,674/\$24,731
Suspended	5 or more	\$25	\$100	\$1,000	\$950/\$1,375	\$2,500	\$0	\$500	\$5,075/\$5,500	\$450	\$150	\$162	\$162	\$162	\$649	\$1,259/\$2,021	\$18,924/\$27,731
On Bottom, Intertidal	1 acre	\$25	\$100	\$1,000	\$450/\$875	\$2,500	\$2,000	\$500	\$6,575/\$7,000	\$450	\$150	\$162	\$162	\$162	\$649	\$1,259/\$1,521	\$20,424/\$23,731
On Bottom, Subtidal	1 acre	\$25	\$100	\$1,000	\$450/\$875	\$2,500	\$5,000	\$500	\$9,575/\$10,000	\$450	\$150	\$162	\$162	\$162	\$649	\$1,259/\$1,521	\$23,424/\$26,731
Fees Required		When over-the-counter location packet requested.	When application submitted.	Paid to statewide or local paper after public notice.	When signed lease submitted to DNR.	When signed lease submitted to DNR.	When application submitted.	When water classification requested.		In January of each year.	When follow-up completed and before you sell product.	When you act as a harvester shellfish.	When you act as a shipper shellfish dealer.	When you act as a reshipper shellfish dealer.	When you act as a shucker-packer, shellstock shipper (or shellfish shipper), reshipper or a repacker dealer		

Note: DNR - Department of Natural Resources; ADF&G - Alaska Department of Fish and Game; DEC - Department of Environmental Conservation.

- ¹ Based on fee structures in Regulations: DNR AS 38.05.083 (Report No. 2522-9), ADF&G 5 AAC 41.280, and DEC 18 AAC 34.900(a) Seafood Permit Fee Schedule 2010 and 34.900(c)(1) and (2). If any discrepancies is found between this spreadsheet and the Alaska Administrative Code, The Code should be considered the final authority, unless the discrepancy is a result of a manifest error in the Code.
- ² Only required to obtain Over-the-Counter location packets and is onetime fee.
- ³ Onetime fee.
- ⁴ For an aquatic farm only, \$450 for the first acre plus an additional \$125 per acre. For an aquatic farm with housing facilities associated with the aquatic farm, \$875 for the first acre plus \$125 for each additional acre. Note: The fee schedule is adjusted every five years. If applicant does not want to use the lease fee schedule, applicant can pay for an appraisal to be done.
- ⁵ Reduced fees if lessee can find three or more lessees to bond together for an Association bond (11 AAC63.080). The bond would be 50% of the amount individually calculated for each lease.
- ⁶ Reduced fees if applicant can work with ADF&G to reduce travel costs and when there is more than one farmer so costs of survey can be split.
- ⁷ Survey fee is per day per site and dependent on size of the site.
- ⁸ Reduced fees if more than one applicant is in an area.
- ⁹ The fee is for water sample testing at \$17 a sample, and for the evaluation of results. One year's worth of dry and wet samples is required. Permittee pays for shipping costs for samples to DEC Lab in Anchorage (Approx. costs range -\$2,300 - \$7,000 dependent on sample plan numbers and location).
- ¹⁰ Operators are required to pay for DEC staff travel and accommodations.
- ¹¹ Shoreline survey has not been included in the total.
- ¹² DEC permits are good for one calendar year.
- ¹³ Applicant are required to pay up to \$1,000 for public notice (required as of January 1, 2010).
- ¹⁴ One permit can be used for all three types of shellfish dealers.
- ¹⁵ Does not include DNR's Shucker-Packer annual fee.
- ¹⁶ Does not include Department of Revenues 3% Fisheries Business Export Tax, for any business that exports product out of Alaska.
- ¹⁷ \$100 for individual and \$200 for corporations
- ¹⁸ Minimum security fee for typical aquatic farm lease, but is dependent on structures used at the site and location of the site and possible cleanup costs.

AUTHORIZATIONS AND CONTACTS

Multiple agency authorizations are required to site, construct, and operate an aquatic farm site in the state of Alaska. ADNR Division of Mining, Land, and Water (DMLW) will review the proposed site to determine if it is in the best interest of the state to grant a 10-year aquatic farm site lease. Once an aquatic farm site lease agreement is granted, Alaska Department of Fish & Game (ADF&G) will review the application, and other site-specific information, before issuing an Aquatic Farm Operation Permit and, if needed, a Special Area Permit to locate a farm in a critical habitat area. Once all State agency authorizations are received, a person can make a request to the U.S. Army Corps of Engineers (USACE) for authorization under the Regional General Permit (GP) POA-2006-1035 for Aquatic Farm Structures within the State of Alaska or Individual permit, if the GP evaluation requirements don't apply to the project.

The following sections provide a summary of the authorizations routinely required by the State of Alaska Departments of Natural Resources (ADNR), Fish and Game (ADF&G), and Environmental Conservation (ADEC), and US Army Corps of Engineers (USACE) to site and operate an aquatic farm in the state of Alaska. Table 1 and 2 provide a list of the state and federal contacts, respectively.

ALASKA DEPARTMENT OF NATURAL RESOURCES, DIVISION OF MINING, LAND, AND WATER

► Aquatic Farm 10-Year Lease Requirements

Activities Covered: Leasing of the state's tidal and submerged land in marine waters

Purpose: To provide for development of the states lands for the purpose of commercial shellfish and sea plant farms

Process: Joint-agency aquatic farm site application packet and agency review for a ten-year lease of state lands, annual reporting, and site inspections

Fees:

- Application filing fee (all applications): \$100
- Lease fees: \$450 for the first acre plus an additional \$125 per acre, or portion thereof. If you have associated housing facilities for the aquatic farm site the fee schedule is \$850 for the first acre or portion thereof plus \$125 for each additional acre, or portion thereof
- Bond requirement: \$2,500 (minimum) for individual or 50 percent of the amount calculated for an association.
- Lease amendment fee: \$100 for individual, \$200 for corporation
- Lease renewal fee: \$100 for individual, \$200 for a corporation.
- Cost of public notice of proposed renewal: up to \$500 (split by the number of applicants during the opening period)

More Information: <http://www.dnr.state.ak.us/mlw/aquatic/index.htm>

Lease fees are based on a fair market value, appraisal, or the current fee schedule. The fee schedule is adjusted every 5 years. As with any lease, if you do not want to use the fee schedule, you may pay to have an appraisal done.

The applicant must pay for all costs associated with the required public notice. The cost may be shared if two or more applications are being noticed simultaneously Under 38.05.945 (a)(2)(A) publication of a legal notice in newspapers of statewide circulation and in newspapers of general circulation in the vicinity of the proposed action at least once a week for two consecutive weeks.

Once a favorable final best interest finding is complete and no appeals are submitted and/or upheld by the commissioner, the ADNR sends the applicant a 10-year property lease to operate an aquatic farm for signature. Before the lease is issued a performance bond along with the first year's annual lease fee must be submitted to the ADNR.

A bond is required before issuance of the lease and is determined by such factors as projected site cleanup and restoration should the lessee fail to do so at lease expiration, termination, or abandonment. The minimum bond amount is \$2,500. However, if three or more lessees post an association bond to cover all of their leases, the minimum-security amount is 50 percent of the amount individually calculated for each lease. Bonds are subject to periodic review and adjustment, if necessary.

A boundary survey is not required for 10-year leases. However, the department reserves the right to require one should boundary conflicts or disputes over acreage arise.

The definition of aquatic farm in the enabling legislation states that aquatic farms must produce a product that is "sold or offered for sale". The ADNR regulations require that the aquatic farm meet commercial use of the site beginning no later than the fifth year of the lease. This requirement must be reflected in the required development plan, which is

incorporated as a provision of the lease. The commercial use requirement was implemented in an effort to prevent “hobbyists” from speculating and not using an area for the commercial purposes intended. If the commercial use requirement is not met by year five of the lease and continued each year for the remaining term, the lease will be terminated. The ADNR currently defines commercial use as: **the minimum annual sales of aquatic farm product (total of all species combined) of at least \$3,000 per acre or fraction of an acre, or \$15,000 per farm, whichever is less (11 AAC 63.030(b)).**

Personnel housing associated with aquatic farm operations may be approved only if: (1) the level of site development will require personnel be present on a daily basis, 2) personnel cannot reasonably commute to the site by road, boat or aircraft, on a daily basis, and 3) nearby land suitable for housing is not available for sale or lease. This applies to upland facilities as well as floating facilities. **Any housing facility may not be used as a permanent place of abode, must be temporary in nature, and must be designed and constructed so it can be removed and the site completely restored within 30 days if the lease terminates or housing ceases to be necessary. The housing facility may not be placed on a permanent foundation (11 AAC 63.040(b)).**

Please note: The lessee is still responsible for payment of the ADNR’s lease fees even though they may not be able to begin operations due to other agencies’ authorization requirements.

A lease that is in good standing may be transferred to another entity. “Good standing” as described in 11 AAC 63.900(a)(8) means being in compliance with all provisions of all required authorizations.

Annual inspections are conducted by the ADF&G and the ADNR to the extent possible to monitor compliance with authorized aquatic farm activities.

If a potable water source is to be used in conjunction with an aquatic farm, a Water Right must be obtained. A Water Rights in Alaska Fact Sheet can be found at the DNR/Mining, Land and Water website at http://dnr.alaska.gov/mlw/factsht/wtr_fs/wtr_rgth.pdf

If you need additional information, please contact the Water Resources Section with the Division of Mining, Land, and Water at the office listed.

An Alaska Business License is required for any business that operates in Alaska and has to be submitted as part of the application. An Online Alaska Business License Application can be found on the Alaska Dept. of Commerce, Community and Economic Development, Division of Occupational Licensing web site at https://www.commerce.state.ak.us/occ/home_bus_licensing.html

ALASKA DEPARTMENT OF FISH AND GAME, DIVISION OF COMMERCIAL FISHERIES

► Aquatic Farm Operation 10-Year Permit and Transport/Acquisition Permit Requirements

Activities Covered: Aquatic farm, nursery, and hatchery operations.

Purpose: To protect, maintain, and improve the state’s fish, game, and aquatic plant resources of the state, and manage their use and development in the best interest of the economy and well-being of the people of the state.

Process: Joint-agency aquatic farm site application packet and agency review for a 10-year aquatic farm operation permit, annual spat transport permits, annual stock acquisition permits, annual reporting, and site inspections.

Fees:

- Operation Permit renewal: \$100
- Operation Permit transfer: \$100
- Survey fee for all on-bottom applications: \$5,000 per farm/ per day for a proposed subtidal farm, \$2,000 per farm/day for a proposed intertidal farm

More Information: for permits – <http://www.adfg.alaska.gov/index.cfm?adfg=aquaticfarming.main>; for program information – and <http://www.adfg.alaska.gov/index.cfm?adfg=fishingaquaticfarming.main>; for regulations – <http://www.adfg.alaska.gov/index.cfm?adfg=fishingaquaticfarming.aquaticregs>.

The ADF&G Aquatic Farm Operation Permit is issued after the ADNR lease is granted and all signatures and fees are received by ADNR. The operation permit allows an applicant to construct and operate an aquatic farm, nursery, or

hatchery. ADF&G reviews plans to determine the technical and operational feasibility of the venture, physical and biological suitability of an area, and if the proposed area can support the operation without making significant alterations in traditional fisheries or other existing uses of fish and wildlife resources or the habitats that support those resources (AS 16.40.100-105).

Once you obtain an Aquatic Farm Operation Permit for your farm, statute requires the issuance of a Shellfish/Aquatic Plant Stock Transport Permit and/or Acquisition Permit before transferring or acquiring aquatic plants or shellfish seed or broodstock. Applications for transport and/or acquisition permits must be submitted to ADF&G for approval approximately 30 days before your proposed seed transport and/or acquisition. Copies of the permits must accompany the seed or broodstock during transport. Please contact the Statewide Mariculture Program Coordinator in Juneau at (907) 465-6150 for more information. A transport and/or acquisition permit application should NOT be submitted with the aquatic farm application in Part II of this packet.

Please note that currently, ADF&G only allows for the importation of Pacific oyster seed. All other species proposed for culture must be from a certified hatchery or nursery operating within the state of Alaska. A list of certified seed sources is available on the ADF&G website. It is the applicant's responsibility to research the intended species for culture to ensure seed for this species is available for this activity.

The ADF&G regulation 5 AAC 41.240(a) prohibits the permitting of farm sites where significant wild stock populations of the species intended for culture occur. On-bottom aquatic farm proposals for commercial fishery species should be sited where there are minimal numbers of the species intended for culture, which demonstrates the potential of the habitat to support that particular species while at the same time, would not support and attract a commercial fishery. ADF&G has determined that an insignificant population of geoducks is no more than 12,000 pounds of geoducks on a six-acre farm site or an average of no more than 2,000 pounds per acre of an aquatic farm site. Insignificant populations of other shellfish will be determined by ADF&G on a case-by-case basis.

For aquatic farm projects proposing to use on-bottom culture, ADF&G requires that a user fee for a survey of the initial abundance of the species intended for culture be submitted with the 2011 aquatic farm opening application. The user fee for a subtidal on-bottom culture aquatic farm site survey is \$5,000 per day per site and for an intertidal on-bottom culture aquatic farm site survey is \$2,000 per day per site. The department will work with the applicant to reduce the cost of the user fee for the survey where possible.

Inspections are conducted by ADF&G and ADNR to the extent possible to monitor compliance with authorized aquatic farm activities.

ALASKA DEPARTMENT OF FISH AND GAME, DIVISION OF HABITAT, CRITICAL HABITAT

► Special Area Permit Requirements

Activities Covered: Approval of a project or activity within a State game refuge, game sanctuary, or critical habitat area

Purpose: Regulate water use activities in classified areas, to protect the essential fish and wildlife habitat

Process: Joint-agency application, agency review, special area permit issued for five years and site inspections

Fees: None

More Information: <http://www.adfg.alaska.gov/index.cfm?adfg=uselicense.areas>

Application: An ADF&G - Special Area Permit Application for Kachemak Bay & Fox River Flats Critical Habitat Management Areas can be found on ADF&G's web site at <http://www.adfg.alaska.gov/index.cfm?adfg=kachemakbay.permits>

An ADF&G Special Area Permit (5 AAC 95.300 – 990) is required to establish and operate an aquatic farm within a special area. A "special area" is defined as a state game refuge, a state game sanctuary, or a state fish and game critical habitat area, established under AS 16.20. Currently, the only aquatic farming activities allowed within the Kachemak Bay and Fox River Flats Critical Habitat Areas are for suspended culture. Applications will be reviewed for consistency with the goals and policies of the Kachemak Bay and Fox River Flats Critical Habitat Areas Management Plan.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL HEALTH

► Growing Area Classification, Shellstock Shippers, and Shellfish Harvester's Permit Requirements

Activities Covered: Water quality classification; shellfish harvester permit, processing, and shipper permits; paralytic shellfish poisoning (PSP) testing; export certifications, and authorizations for dive boats to be used for shellfish harvesting
Purpose: Sanitary control of regulated food, seafood, and public facilities to protect public health in accordance with the National Shellfish Sanitation Program requirements

Process: Various applications and forms, monitoring programs, testing, and inspections

Fees:

- Water quality classification: Variable, to cover costs of sanitation survey, water sampling, testing, etc.
- Shellfish harvester permit: \$162
- Paralytic shellfish poisoning (PSP) testing: Variable, to cover shipment and testing
- Export certifications: \$25 for each certificate issued
- Authorizations for dive boats to be used for shellfish harvesting: \$162

More Information: contact George Scanlan at www.george.scanlan@alaska.gov or call 907-269-7638

The following ADEC authorizations listed above must be obtained PRIOR to placing your product into commerce. Information can be found at the following ADEC Website: http://dec.alaska.gov/eh/fss/seafood/Shellfish_Home.html

A **Growing Area Classification** determines that your growing or harvesting water meets the water quality standards set out in the National Shellfish Sanitation Program (NSSP).

A **Shellstock Shippers Permit** authorizes individuals/businesses to grow, harvest, buy, or repack and sell shellstock. While this authorization does not allow the shucking of shellfish, it does allow shipping of shucked shellfish.

A **Shellfish Harvester's Permit** allows a person to take shellstock from a growing area that has been classified by the ADEC. Please be aware that persons holding a Shellfish Harvester's Permit may only sell product to a processor or shipper who is also permitted by ADEC.

Water quality in the growing area must meet the standards of the NSSP, incorporated by reference in 18 AAC 34.200. The full text of the NSSP is available on the internet at www.issc.org (select "NSSP" from the left-hand column). Once the growing area has been found to meet the NSSP standards, ADEC issues a Growing Area Classification. The Growing Area Classification ensures that the growing or harvesting area(s) is within the acceptable limits for fecal coliform. A shellfish growing area is closed to shellfish harvesting for commercial sales unless classified by the ADEC. Therefore, aquatic farm product may only be sold from sites that have an ADEC water quality classification. In general, the growing area must be free of sewage discharges. Please refer to the Joint-Agency Application in Part II, under the ADEC, Environmental Health Classification Guidelines, for a listing of items that should be considered when selecting a site for aquatic farming operations.

The ADEC charges \$500 per growing area classification, which can be pro-rated among two or more farms within the same classified area. Through a Memorandum of Understanding (MOU) between the individual and the ADEC, most of the water quality sampling can be done by the individual under the procedures described in the MOU. Depending on the location of your farm, 15 or 30 water samples will be required from selected sampling sites to initially classify the area. Samples must be collected in both wet and dry weather, during low and high tides, and during the period you intend to harvest. Unless adverse pollution events occur, such as periods of high rainfall or animal activity in the area, it generally takes a minimum of 30 days to collect all the water samples necessary for classification. The operator must pay for shipping sample to the ADEC.

Growing areas must be reclassified annually. Five days of sampling is required for approved areas unless it has a "remote" status, meaning the area has no human habitation and is not impacted by any actual or potential pollution sources. Remote areas require only two days of sampling. The fee for reclassification is \$150 per day and also can be pro-rated among two or more farms within the same classification area.

Presently, only the ADEC Environmental Health Lab located at 5251 Hinkle Road, Anchorage, Alaska is authorized to analyze the water samples. Water samples must arrive in Anchorage within 30 hours of being collected, therefore Gold Streak or some other air package service will be required to get the samples to the lab on time. The individual(s) submitting the samples for analyses bears the cost of shipping daily water samples to the lab in Anchorage. If the samples arrive more than 30 hours after being collected, they cannot be tested and more samples must be submitted. This is another important aspect to consider when selecting an aquatic farm site. More details about water quality classification

requirements can be found in a fact sheet on ADEC - Classification of Commercial Shellfish Growing & Harvest Areas can be found at <http://dec.alaska.gov/eh/fss/seafood/Docs/shellfishclass.pdf>. It is recommended that applicants obtain this certification before the lease and operation permit is issued. There is no guarantee how long it will take for an area to become ADEC certified.

In addition to water quality classification, testing for Paralytic Shellfish Poison (PSP) is required before any commercial sales are authorized. Currently, the only laboratory approved in the state for PSP testing is the ADEC Lab in Anchorage. Levels cannot exceed the NSSP standard of 80 ug/100 g of tissue. A copy of a Uniform Shellfish Sampling Plan for Paralytic Shellfish Poison can be found at:

http://dec.alaska.gov/eh/fss/seafood/Docs/PSP_Uniform_Shellfish_Sampling_Plan_updated_9-2011.pdf.

The plan describes a four level sampling method used for monitoring PSP at your farm.

Eventually you will be placing the shellfish into commerce as required by the ADNR lease. Therefore, you are also required to have a Hazard Analysis Critical Control Point (HACCP) Plan. A HACCP plan describes the types of hazards that are reasonably likely to occur that could affect the safety of your product and the strategies for controlling those hazards. You must monitor those control strategies and keep written records. The University of Alaska, Marine Advisory Program, periodically offers HACCP training and can be contacted at (907) 274-9691. Additional HACCP training courses are available on the internet at: <http://seagrant.uaf.edu/map/haccp/index.html>. More information about HACCP plans is available either from the Marine Advisory Program or by contacting George Scanlan, ADEC in Anchorage, at (907) 269-7638.

If you plan to sell your product out of state, you will also need to be placed on the Interstate Certified Shellfish Shippers List. The ADEC must perform an inspection of your facility within the 30 days proceeding the date you are listed. Therefore, if you plan to ship out of state, you will need to contact the department in a timely manner to make those arrangements.

Depending on your aquatic farm operation, there may be other authorizations necessary from the ADEC, Division of Environmental Health. The following is a list of possible authorizations that may be required:

- Shellfish Shucker Packer (allows a person to shuck and pack shellfish or may act as a Shellstock Shipper or a reshipper or may repack shellfish originating from other certified dealers).
- Export Certification (provided as a service by the ADEC, Division of Environmental Health, to assist shellfish shippers). The issuance of export certifications is dependent upon the harvester's and shipper's compliance with 18 AAC 34 and the NSSP requirements.

The ADEC website has all of the information needed to obtain approval from the department as well as links to other important sites. Please visit: http://dec.alaska.gov/eh/fss/seafood/Shellfish_Home.html.

UNITED STATE ARMY CORPS OF ENGINEERS, ALASKA DISTRICT

► Authorization for Placement of Aquatic Farm Structures Within the State of Alaska's Navigable Waters

Activities Covered: Authorizes the placement of aquatic farm structures in navigable waters within the State of Alaska.

Purpose: To prevent unauthorized obstruction or alteration of any navigable water of the United States.

Process: Application process, Dept of Army (DA) Form 4345, and General Permit POA-2006-1035 for Aquatic Farm Structures Within the State of Alaska. Once all state regulatory agencies approve of the development of an aquatic farm site, authorization is given under either the Regional General Permit POA-2006-1035 or an Individual Permit. Site inspections may be conducted.

Fees: None

More Information: <http://www.poa.usace.army.mil/reg/gps.htm>

Applications: USACE Applicability Certification for GP POA-2006-1035 for Aquatic Farm Structures Within the State of Alaska navigable waters. Structures include associated float houses and mooring buoys. The General Permit and Review Request can be found at http://www.poa.usace.army.mil/reg/gps_scanned/General+Permit+2006-1035.pdf. The DA Form 4345 - Instructions and Application for Department of the Army Permit. The application for this can be found at <http://www.lrl.usace.army.mil/orf/article.asp?id=1702&MyCategory=4> (fill-able). Instructions can be found at <http://www.lrl.usace.army.mil/orf/article.asp?id=1915&MyCategory=44>.

Table 1: AQUATIC FARM STATE AUTHORIZATION AGENCY CONTACTS

State Agency	Permit Type	Contact Information
ADNR: Division of Mining, Land & Water (DMLW)	Aquatic Farm Lease	Renee Romsland Aquatic Farm Program Manager 550 West 7th Avenue, Suite 900C Anchorage AK 99501 Phone: (907) 269-8543 Fax : (907) 269-8913 Email: renee.romsland@alaska.gov www.dnr.alaska.gov/mlw/aquatic/index.htm
ADF&G: Division of Commercial Fisheries	Aquatic Farm, Hatchery, Nursery Operation Permit; Shellfish or Aquatic Plant Transport Permit; Aquatic Stock Acquisition Permit; Surveys	Cynthia Pring-Ham, Statewide Mariculture Program Coordinator 1255 W. 8th Street P.O. Box 115526 Juneau, AK 99811-5526 Phone: (907) 465-6150 Fax: (907) 465-4168 Email: cynthia.pring-ham@alaska.gov www.cf.adfg.state.ak.us/geninfo/enhance/maricult/maricult.htm
ADF&G: Division of Sport Fish	Special Area Permit: (specific to Kachemak Bay & Fox River Flats Critical Habitat Mgt Areas)	Ginny Litchfield, Area Manager 514 Funny River Rd Soldotna, AK 99669 Phone (907) 714-2478 Fax (907) 260-5992 Email: ginny.litchfield@alaska.gov www.sf.adfg.state.ak.us/SARR/SpecialAreas/sapermit.cfm
ADEC: Division of Environmental Health	Water Quality Classification; Shellfish Harvest Permit; Shellfish Shipper Permit; Shellfish Shucker Packer Permit; Shellfish Repacker Permit; Export Certification.	Contact: George Scanlan, Shellfish Coordinator Environmental Health, Food Safety and Sanitation Program 555 Cordova Street Anchorage, AK. 55501. Phone (907) 269-7638 Fax (907) 269-7510 Email: george.scanlan@alaska.gov http://www.dec.state.ak.us/eh/

Table 2: AQUATIC FARM FEDERAL AGENCY CONTACTS

Federal Agency	Permit Type	Contact Information	
U.S. Army Corps of Engineers (USACE)	General Permit POA-2006-1035 for Aquatic Farm Structures Within the State of Alaska or Individual permit	Southeast Region: Juneau Regulatory Field Office U.S. Army Corps of Engineers 8800 Glacier Highway, Suite 106 Juneau, AK 99801-8079 Phone (907) 790-4490 regpagemaster@usace.army.mil http://www.poa.usace.army.mil/hm/default.htm	Southcentral Region (Prince William Sound, Southcentral, And Kachemak Bay): Anchorage Field Office U.S. Army Corps of Engineers P.O. Box 6898 Elmendorf AFB, AK 99506-0898 Phone (907) 753-2712
U.S.D.A. Forest Service	Upland Use Permit	Chugach National Forest: Tongass National Forest:	(907) 743-9500 www.fs.fed.us/r10/chugach (907) 225-3101 www.fs.fed.us/r10/tongass
U.S. Fish & Wildlife Service (USFWS)	Review of Projects within Wildlife Refuges	Ecological Services: Southeast Southcentral Refuge Operations: Subsistence Management:	www.r7.fws.gov (907) 586-7240 (800) 272-4174 (907) 786-3354 http://refuges.fws.gov (800) 478-1456 http://alaska.fws.gov/asm/index.htm
National Marine Fisheries Service (NMFS)	Review of Projects within Essential Fish and Endangered Species Habitat, and Sensitive Sea Mammal Haulouts and Rookery Areas	www.nmfs.noaa.gov	(907) 586-7221