

No. 32/2012/TT-BNNPTNT

Hanoi, July 20, 2012

CIRCULAR

**PROMULGATING THE LIST OF OBJECTS OF AQUATIC AND AQUATIC PRODUCT
QUARANTINE; THE LIST OF FISHERIES, AQUATIC PRODUCTS SUBJECT TO
QUARANTINE**

Pursuant to the Government's Decree No.01/2008/ND-CP, of January 03, 2008 defining the functions, tasks, powers and organizational structure of the Agriculture and Rural Development; the Government's Decree No. [75/2009/ND-CP](#), of September 10, 2009 on amending article 3 of the Decree No.01/2008/ND-CP, of January 03, 2008;

Pursuant to the Ordinance on veterinary medicine No. 18/2004/PL-UBTVQH of the National Assembly Standing Committee approved on April 29, 2004;

Pursuant to the Government's Decree No. [33/2005/ND-CP](#), of March 15, 2005 detailing the implementation a number of articles of the Ordinance on veterinary medicine, the Government's Decree No. [119/2008/ND-CP](#), of November 28, 2008 amending and supplementing a number of articles of the Decree No. [33/2005/ND-CP](#) ;

At the proposal of Director of the Department of Animal Health;

The Minister of Agriculture and Rural Development promulgates the list of objects of aquatic and aquatic product quarantine; the list of fisheries, aquatic products subject to quarantine:

Article 1. Promulgating together with this Circular:

1. The list of objects of aquatic and aquatic product quarantine.
2. The list of fisheries, aquatic products subject to quarantine.

Article 2. Annuling the Decision No. 110/2008/QD-BNNPTNT, of November 12, 2008 of the Minister of Agriculture and Rural Development promulgating the list of objects of aquatic animal and product's aquatic animal quarantine.

Article 3. Effect

This Circular takes effect after 45 days from the day of signing.

Article 4. Organizing Implementation

The Chief of the Ministry Office, director of the Department of Animal Health, heads of Ministerial units and relevant organizations, individuals shall implement this Circular.

**FOR THE MINISTER
DEPUTY MINISTER**

THE LIST OF
OBJECTS OF AQUATIC AND AQUATIC PRODUCT QUARANTINE
(Promulgated together with the Circular No. 32/2012/TT-BNNPTNT, of July 20, 2012 of the Minister of Agriculture and Rural Development)

A. MICROORGANISMS, PARASITES CAUSING DISEASES TO FISHERIES

Objects of aquatic quarantine include microorganisms, parasites causing diseases to fisheries as follows:

I. DISEASES IN CRUSTACEANS

N o.	Vietnamese name/English name	Name of agents causing diseases	The infected species
1	Bệnh đốm trắng/White Spot Disease (WSD)	White spot syndrome virus (WSSV)	<i>Penaeus monodon</i> , <i>Litopenaeus vannamei</i> and other crustaceans
2	Hội chứng Taura/Taura Syndrome (TS)	Taura syndrome virus (TSV)	<i>Litopenaeus vannamei</i> , <i>Penaeus setiferus</i> , <i>P. schmitti</i> , <i>P. monodon</i> , <i>P. chinensis</i> , <i>P. japonicus</i> , <i>P. aztecus</i> , <i>P. duorarum</i> and <i>Meta penaeus ensis</i>
3	Bệnh đầu vàng/Yellow Head Disease (YHD/GAD)	Yellowhead complex virus (YHCV)	<i>Penaeus monodon</i> , <i>Litopenaeus vannamei</i>
4	Bệnh MBV/Spherical Baculovirosis	<i>Monodon baculovirus</i> (MBV)	<i>Panaeus monodon</i>
5	Bệnh hoại tử dưới vỏ và cơ quan tạo máu/Infectious Hypodermal and Haematopoietic Necrosis (IHHN)	Infectious hypodermal and haematopoietic necrosis virus (IHHNV)	<i>Penaeus monodon</i> , <i>Litopenaeus vannamei</i>

6	Bệnh BP (<i>Baculovirus penaei</i>)/ Tetrahedral Baculovirosis)	<i>Nucleopolyherdovirus (BP)</i>	<i>Penaeus</i> spp
7	Bệnh teo gan tụy/ Hepatopancreatic Parvovirus Disease (HPD)	Hepatopancreatic Parvovirus (HPV)	<i>Penaeus</i> spp at stage of breeding shrimp
8	Bệnh trắng đuôi/White Tail Disease (WTD)	- <i>Macrobrachium rosenbergii</i> Nodavirus (MrNV) - Extra small virus (XSV)	<i>Macrobrachium rosenbergii</i>
9	Bệnh hoại tử gan tụy/ Necrotising Hepatopancreati tis (NHP)	<i>Proteobacteria</i>	<i>Litopenaeus vannamei</i> , <i>P. stylirostris</i> , <i>P. mono don</i> at the stage of post- larvae, breeding shrimp, mature shrimp
1 0	Bệnh nấm ở tôm/Crayfish Plague	<i>Aphanomyces astaci</i>	Giant freshwater prawn (<i>Astacus astacus</i> ; <i>Austropota mobius pallipes</i> ; <i>Austopotm obiss torrentium</i> ; <i>Astacus leptodactylus</i> ; <i>Pacifa sticus leniusculus</i> ; <i>Procam barus clarkia</i>)
1 1	Bệnh hoại tử tuyến ruột giữa do Baculovirus/Bac uloviral Midgut gland Necrosis (BMN)	Baculoviral midgut gland necrosis virus (BMNV)	<i>Penaeus plebejus</i> , Kuruma (<i>P. japonicus</i>), <i>P. chinensis</i> , <i>P. monodon</i> , <i>P. semisulcatus</i>
1 2	Bệnh hoại tử cơ (Bệnh đực cơ)/ Infectious Myonecrosis (IMN)	Infectious Myonecrosis Virus (IMNV)	<i>Litopenaeus vannamei</i> (be infected at the most), <i>P. monodon</i> at all stages of

			<i>growth</i>
1 3	Bệnh phát sáng/Luminous Bacteria Disease	Bacteria under Luminescencet Vibrio group: <i>Vibrio harveyi</i>	<i>Penaeus monodon</i> , <i>Litopenaeus vannamei</i> , <i>Macrobrachium rosenbergii</i> and other crustaceans.
1 4	Bệnh sữa trên tôm hùm/Milky Haemolymph Disease of Spiny Lobsters (MHD-SL)	Rickettsia-like organism	<i>Panulirus</i> spp
1 5	Bệnh Rickettsia ở tôm he/ Rickettsial Disease of Penaeid Shrimp	<i>Rickettsia</i>	<i>Penaeus</i> spp
1 6	Bệnh run chân do Rickettsia ở cua/ Rickettsia-like organism	<i>Rickettsia</i>	Several of freshwater crabs and sea crabs
1 7	Bệnh vi khuẩn dạng sợi ở giáp xác/Filamentous Bacterial Disease	Filamentous Bacterial under <i>cytophagae</i> : <i>Leucothrix mucor</i> , <i>Cytophage</i> sp, <i>Flexibacter</i> sp., <i>Thiothrix</i> sp., <i>Flavobacterium</i> sp	Crustaceans reared
1 8	Hội chứng gây tử vong tôm bố mẹ/Spawner Mortality Syndrome ("Midcrop mortality Syndrome")	<i>Parvoviridae</i> Virus	<i>Penaeus monodon</i> , <i>P. esculentus</i> , <i>P. japonicus</i> , <i>P. merguensis</i> và <i>Metapenaeus</i> <i>sensis</i>
1 9	Bệnh còi do vi rút có nhân đa diện/Nuclear Polyhedrosis Baculovirosis (NPD)	Baculoviridae virus: <i>Baculovirus penaei</i> , <i>Monodon baculovirus</i>	<i>Penaeus</i> spp

20	Bệnh đen mang trên tôm sú, tôm thẻ, tôm hùm/Black Gill Disease	Due to azoic elements or mushrooms <i>Fusarium</i> spp	<i>Penaeus monodon</i> , <i>Litopenaeus vannamei</i> , <i>Panulirus ornatus</i>
21	Bệnh đỏ thân trên tôm hùm/Red Body Disease	Due to undefined virus	<i>Panulirus ornatus</i>
22	Hội chứng hoại tử gan tụy/ Hepatopancreatic Necrosis Syndrome (HNS)	Undefined clearly the agents causing diseases	<i>Penaeus monodon</i> , <i>Litopenaeus vannamei</i>

II. DISEASES IN FISH

N o.	Vietnamese name/English name	Name of agents causing diseases	The infected species
1	Bệnh hoại tử cơ quan tạo máu do EHNV/Epizootic Haematopoietic Necrosis (EHN)	Epizootic haematopoietic necrosis virus- EHNV	<i>Perca fluviatilis</i> , <i>Oncorhynchus mykiss</i> , <i>Macquaria australasica</i> , <i>Gambusia affinis</i> , <i>Bidyanus Bidyanus</i> , <i>Galaxias olidus</i>
2	Bệnh hoại tử cơ quan tạo máu do IHNV/Infectious Haematopoietic Necrosis disease (IHN)	Infectious haematopoietic necrosis virus - IHNV	<i>Oncorhynchus</i> spp, <i>Salmo salar</i>
3	Bệnh xuất huyết mùa xuân ở cá chép/Spring Viraemia of Carp (SVC)	Spring viraemia of carp virus - SVCV	<i>Cyprinus carpio</i> , <i>Ctenopharyngodon idellus</i> , <i>Hypophthalmichthys molitrix</i> , <i>Aristichthys nobilis</i> , <i>Carassius carassius</i> , <i>C. auratus</i> , <i>Tinca tinca</i> , <i>Silurus glanis</i>
4	Bệnh nhiễm trùng xuất huyết do vi rút/Viral Haemorrhagic Septicaemia (VHS)	Viral haemorrhagic septicaemia virus- VHSV	<i>Oncorhynchus</i> spp, <i>Salmo trutta</i> , <i>Thymallus thymallus</i> , <i>Coregonus</i> spp, <i>Esox lucius</i> , <i>Scophthalmus maximus</i> , <i>Gadus macrocephalus</i> , <i>Clupea pallasii</i> , <i>Gadus morhua</i> , <i>Dicentrarchus labrax</i> , <i>Melanogrammus aeglefinus</i> , <i>Rhinonemus cimbrius</i> , <i>Sprattus sprattus</i> , <i>Clupea</i>

			<i>harengus</i> , <i>Trisopterus esmarkii</i> , <i>Micromesistius poutassou</i> , <i>Merlangius merlangius</i> , <i>Argentina sphyraena</i> , <i>Scophthalmus maximus</i>
5	Bệnh do RSIV/Red seabream iridoviral disease	Red seabream iridovirus (RSIV)	<i>Pagrus major</i> , <i>Acanthopagrus schlegeli</i> , <i>Acanthopagrus latus</i> , <i>Evynnis japonica</i> , <i>Seriola quinqueradiata</i> , <i>Seriola dumerili</i> , <i>Seriola lalandi</i> , <i>Pseudocaranx dentex</i> , <i>Thunnus thynnus</i> , <i>Scomberomorus niphonius</i> , <i>Scomber japonicus</i> , <i>Trachurus japonicus</i> , <i>Oplegnathus fasciatus</i> , <i>Oplegnathus punctatus</i> , <i>Rachycentron canadum</i> , <i>Trachinotus blochii</i> , <i>Parapristipoma trilineatum</i> , <i>Plectorhinchus cinctus</i> , <i>Lethrinus haematopterus</i> , <i>Lethrinus nebulosus</i> , largescale blackfish (<i>Girella punctata</i>), <i>Sebastes schlegeli</i> , <i>Pseudosciaena crocea</i> , <i>Lateolabrax japonicus</i> , <i>Lateolabrax</i> sp, <i>Lates calcarifer</i> , <i>Micropterus salmoides</i> , <i>Paralichthys olivaceus</i> , spotted halibut (<i>Verasper variegatus</i>), <i>Takifugu rubripes</i> , <i>Siniperca chuatsi</i> , <i>Sciaenops ocellatus</i> , <i>Mugil cephalus</i> , <i>Epinephelus</i> spp
6	Bệnh do KHV/Koi herpesvirus disease	Koi Herpesvirus (KH V)	<i>Cyprinus carpio</i> , <i>C. carpio koi</i>
7	Bệnh hoại huyết cá hồi/ Infectious Salmon Anaemia (ISA)	Infectious Salmon anaemia virus (ISAV)	<i>Oncorhynchus</i> spp
8	Bệnh hoại tử thần kinh/Viral Nervous Necrosis/ Viral Encephalopathy and etinopathy	<i>Betanodavirus</i>	<i>Lates calcarifer</i> , <i>Dicentrarchus labrax</i> , <i>Scophthalmus maximus</i> , <i>Hippoglossus hippoglossus</i> , <i>Oplegnathus fasciatus</i> , <i>Epinepheles akaara</i> , <i>Pseudocaranx</i>

			<i>dentex</i> , <i>Takifugu rubripes</i> , <i>Paralichthys olivaceus</i> , <i>Epinephelus moara</i> , <i>Epinephelus malabaricus</i> , <i>Oplegnathus punctatus</i> , several of other reared sea fishes
9	Bệnh do vi rút <i>Oncorhynchus masou</i> trên cá hồi Nhật Bản/ <i>Oncorhynchus masou</i> Virus Disease (OMVD)	<i>Oncorhynchus masou</i>	<i>Oncorhynchus</i> spp
10	Bệnh xuất huyết do reovirus/ Grass Carp Haemorrhagic Disease (GCHD)	<i>Reovirus</i> /GCHV	<i>Ctenopharyngodon idella</i> , <i>Mylopharyngodon piceus</i> , <i>Pseudorasbora parva</i> , <i>Aristichthys nobilis</i> , <i>Hypophthalmichthys molitrix</i> , <i>Carassius auratus</i> , <i>Cyprinus carpio</i> .
11	Bệnh đốm trắng nội tạng (bệnh gan thận mủ) ở cá da trơn/Enteric Septicaemia of Catfish (ESC)	<i>Edwardsiella ictaluri</i>	<i>Ictalurus melas</i> , <i>Ictalurus furcatus</i> , brown bullhead (<i>Ictalurus nebulosus</i>), <i>Ictalurus punctatus</i> , <i>Eigenmannia virescens</i> , <i>Puntius conchonius</i> , sind danio (<i>Devario devario</i>), <i>Pangasius hypophthalmus</i> , <i>Clarias batrachus</i> , white catfish (<i>Ictalurus cactus</i>), yellow bullhead (<i>Ictalurus natalis</i>), <i>Danio rerio</i> , salmon Chinook (<i>Oncorhynchus tshawytscha</i>), <i>Oncorhynchus mykiss</i>
12	Bệnh hoại tử tuyến tụy/Infectious Pancreatic Necrosis (IPN)	Infectious Pancreatic Necrosis Virus (IPNV)	<i>Salmo salar</i> , <i>Salvelinus fontinalis</i> , <i>Salmo trutta</i> , <i>Danio rerio</i> , <i>Oncorhynchus mykiss</i> , <i>Seriola lalandi</i>
13	Hội chứng bơi xoắn ở cá rô phi/ Spinning Tilapia Syndrome (STS)	Iridovirus	<i>Oreochromis</i> spp
14	Bệnh nhiễm khuẩn do vi khuẩn <i>Streptococcus</i> / <i>Streptococcus</i>	<i>Streptococcus</i>	freshwater and salt water fishes
15	Bệnh vi khuẩn ở thận cá/Bacterial Kidney Disease	<i>Renibacterium salmoninarum</i>	Salmonidae, <i>Oncorhynchus</i> (pacific salmon <i>Oncorhynchus mykiss</i>)

	of Fish (BKD)		
16	Bệnh do vi khuẩn <i>Flexibacter</i> ở cá/ <i>Flexibacter</i> Disease	<i>Flexibacter</i> spp	<i>Anguilla japonica</i> , <i>A. anguilla</i> , <i>Misgurnus anguillicaudatus</i> , <i>Carassius auratus</i> , <i>Cyprinus carpio</i> , <i>Ctenopharyngodon idellus</i> , <i>Oreochromis mosambicus</i> , <i>Clarias macrocephalus</i> , <i>Lates calcarifer</i> , <i>Lutjanus</i> spp, <i>Epinephelus</i> spp
17	Bệnh nấm hạt <i>Dermocystidiosis</i> / <i>Dermocystidiosis</i> —a gill disease due to <i>Dermocystidium</i> spp	<i>Dermocystidium</i> spp	freshwater and salt water fishes
18	Bệnh nấm <i>Ichthyophonosis</i> / <i>Ichthyophonosis</i>	<i>Ichthyophonus</i> spp	<i>Clupea harengus</i> , <i>Limanda ferruginea</i>
19	Bệnh nấm mang/Gill Fungus Disease	a few of mushrooms under <i>Branchiomycetes</i>	Freshwater fishes
20	Bệnh u nang bạch huyết/ <i>Lymphocystis</i>	Iridovirus	Including: Perciformes, Pleuronectiformes, Tetraodontiformes, Clupeiformes, Salmoniformes, Opidiiformes, Cyprinodontiformes
21	Bệnh sán lá đơn chủ đẻ con/ <i>Gyrodactylosis</i>	<i>Gyrodactylus salaris</i>	freshwater and salt water fishes
22	Bệnh sán lá 16 móc/ <i>Dactylogyrosis</i>	<i>Dactylogyrus</i> spp	freshwater and salt water fishes
23	Hội chứng lở loét/Epizootic Ulcerative Syndrome (EUS)	<i>Aphanomyces invadans</i>	freshwater and salt water fishes

III. DISEASES IN MOLLUSCS

No.	Vietnamese name/English name	Name of agents causing diseases	The infected species
1	Bệnh do virus gây chết ở Bào ngư/Abalone Viral Mortality	<i>Putative herpesvirus</i>	<i>Haliotis</i> spp

2	Bệnh do bào tử <i>Bonamia exitiosa</i> / Infection with <i>Bonamia exitiosa</i>	<i>Bonamia exitiosa</i>	<i>Ostrea chilensis</i> <i>Ostrea angasi</i>
3	Bệnh do bào tử <i>Bonamia ostreae</i> /Infection with <i>Bonamia ostreae</i>	<i>Bonamia ostreae</i>	<i>Ostrea</i> spp
4	Bệnh do <i>Perkinsus olseni</i> / Infection with <i>Perkinsus olseni</i>	<i>Perkinsus olseni</i>	<i>Anadara trapezia</i> , <i>Austrovenus stutchburyi</i> , <i>Tapes decussatus</i> , <i>Tapes philippinarum</i> , <i>Pitar rostrata</i> , <i>Crassostrea gigas</i> , <i>C. ariakensis</i> , <i>C. sikamea</i> , <i>Pinctada margaritifera</i> , <i>P. martensii</i> , <i>Haliotis rubra</i> , <i>H. laevigata</i> , <i>H. scalaris</i> , <i>H. cyclobates</i>
5	Bệnh do <i>Marteilia refringens</i> / Infection with <i>Marteilia refringens</i>	<i>Marteilia refringens</i>	<i>Ostrea</i> spp, <i>Mytilus</i> spp
6	Bệnh do <i>Perkinsus marinus</i> / Infection with <i>Perkinsus marinus</i>	<i>Perkinsus marinus</i>	<i>Crassostrea virginica</i> , <i>C. gigas</i> , <i>C. ariakensis</i> , <i>C. rhizophorae</i>
7	Bệnh do <i>Xenohaliotis californiensis</i> /Infection with <i>Xenohaliotis californiensis</i>	<i>Xenohaliotis californiensis</i>	<i>Haliotis</i> spp
8	Bệnh Mikrocytos/Mikrocytosis	<i>Mikrocytos mackini</i> , <i>M. roughleyi</i>	<i>Crassostrea gigas</i> , <i>Ostrea edulis</i> , <i>O. conchaphila</i> , <i>O. lurida</i> , <i>Crassostrea virginica</i> , <i>Saccostrea glomerata</i> , <i>Crassostrea commercialis</i> , <i>Saccostrea commercialis</i>
9	Bệnh Haplosporidium/ Haplosporidiosis	<i>Haplosporidium costale</i> , <i>H. nelsoni</i>	<i>Crassostrea virginica</i> , <i>C. gigas</i>
10	Bệnh Marteilioides/ Marteilioidosis	<i>Marteilioides chungmuenis</i> , <i>M. branchialis</i>	<i>Crassostrea gigas</i> , <i>Saccostrea commercialis</i>
11	Bệnh màng áo ở hầu do vi rút/ Iridovirosis (Oyster Velar Virus)	Iridovirus	<i>Crassostrea gigas</i>

	Disease)		
--	----------	--	--

IV. DISEASES IN AMPHIBIANS

No.	Vietnamese name/English name	Name of agents causing diseases	The infected species
1	Bệnh do ranavirus/ Infection with Ranavirus	Ranavirus	<i>Rana</i> spp
2	Bệnh do <i>Batrachochytrium dendrobatidis</i> / Infection with <i>Batrachochytrium dendrobatidis</i>	<i>Batrachochytrium dendrobatidis</i>	<i>Rana</i> spp
3	Bệnh do nấm Chytridiomycota/ Chytridiomycosis	A few of mushroom under <i>Chytridiomycota</i>	Frogs

V. DISEASES IN AMPHIBIOUS REPTILES

No.	Vietnamese name/English name	Name of agents causing diseases	The infected species
1	Bệnh đốm trắng trên ba ba/ White Spots Disease	Mushroom <i>Achlya</i> and <i>Aeromonas hydrophila</i>	Trionychid turtles
2	Bệnh đậu mùa trên cá sấu/ Crocodile Pox	Parapoxvirus	Crocodiles
3	Bệnh viêm gan do Adenovirus trên cá sấu/ Adenoviral Hepatitis	Adenoviral hepatitis	Crocodiles
4	Bệnh do Mycoplasma trên cá sấu/ Mycoplasmosis	<i>Mycoplasma</i> sp	Crocodiles
5	Bệnh do vi khuẩn Dermatophilus trên cá sấu/ Dermatophilosis	<i>Dermatophilus</i> sp	Crocodiles
6	Nhiễm trùng hô hấp ở ba ba/ Respiratory infections in tortoise	<i>E. coli</i> , <i>Aeromonas</i> , or other bacteria gram (-); Retroviruses, Herpesvirus; mushrooms <i>Aspergillus</i> and <i>Candida</i> and other azoic agents	Trionychid turtles

VI. GENERAL DISEASES TO MANY AQUATIC SPECIES

No.	Vietnamese name/English name	Name of agents causing diseases
1	Bệnh nhiễm trùng máu do vi khuẩn <i>Aeromonas</i> di động / Septicemia caused by motile <i>Aeromonas</i>	Motile <i>Aeromonas</i>

2	Bệnh do vi khuẩn <i>Aeromonas</i> không có khả năng di động/ Infection with non-motile <i>Aeromonas</i>	non-motile <i>Aeromonas</i>
3	Bệnh do Vibriosis ở thủy sản/ Infection with <i>Vibrio</i>	<i>Vibrio</i>
4	Bệnh do vi khuẩn <i>Pseudomonas</i> / Infection with <i>Pseudomonas</i>	<i>Pseudomonas</i>
5	Bệnh do vi khuẩn <i>Mycobacterium</i> / Infection with <i>Mycobacterium</i>	<i>Mycobacterium</i>

B. THE ORGANISMS CAUSING POLLUTION

1. Aerobic bacteria: *Streptococcus* spp, *Staphylococcus aureus*, *Escherichia Coli*, *Enterobacter*, *Klebsiella*, *Salmonella* spp, *Bacillus cereus*, *Campylobacter* spp, *Listeria monocytogenes*, *Yersinia* spp, *Pseudomonas aeruginosa*, *Shigella* spp, *Vibrio*, *Hepatitis* and other Aerobic bacteria causing pollution.
2. Anaerobic bacteria: *Clostridium* spp and other anaerobic bacteria.
3. Micro-organisms causing diseases in human and fisheries.
4. Mould and yeast.

C. TOXIC SUBSTANCES

1. Endotoxin and Exotoxins of microbe.
2. Hormone: growth hormone, aphrodisiac hormone and other hormones.
3. Antibiotics: Chloramphenicol, Nitrofurantoin, Tetracycline, Streptomycin, Enrofloxacin and other antibiotics.
4. Mycotoxin: Aflatoxin and other mycotoxins.
5. Radioactive substances.
6. Heavy metals: Mercury (Hg), Lead (Pb), Cadmium (Cd), Arsenic (As), Zinc (Zn) and other heavy metals.
7. Plant protection chemicals: Carbaryl, Cypermethrin, Deltamethrin, Coumaphos, DDT, 2,4 D, Lindane, Trichlorfon, Dichlorvos, Diazinon, Fenprophos, Chlorpyrifos and others.
8. Preservative substances and colorings prohibited for use.

D. OTHER OBJECTS

Other objects of aquatic and aquatic product quarantine are required by import country or prescribed by treaties of which Vietnam concluded or is member or depend on animal epidemic diseases status in country and world.

THE LIST OF FISHERIES, AQUATIC PRODUCTS SUBJECT TO QUARANTINE (Promulgated together with the Circular No. 34/2012/TT-BNNPTNT, of July 20, 2012 of the Minister of Agriculture and Rural Development)

I. FISHERIES

1. Fishes: Flake-fishes, catfishes and other fishes.
2. Crustaceans: Shrimps, crabs, flower crabs and other underwater living crustaceans.
3. Molluscs: Squids, octopus, snails, shellfishes, mussels, oysters and other underwater living mollusks.
4. Amphibians: Frogs and other amphibians.
5. Reptile: Turtles, tortoises, *eretmochelys imbricate*, crocodiles and underwater living reptiles or other amphibious reptiles.
6. Cnidaria: Jellyfish, hydra, corals.
7. Echinoderms: Holothurian, sea urchin.
8. Sponge.
9. Underground living mammals: Whales, seals, otters and underground living mammals.
10. Other aquatic species.
11. Other aquatic species subject to quarantine at the request of import country or as prescribed in International treaties of which Vietnam concluded or is member.

II. AQUATIC PRODUCTS

1. Embryos, eggs, sperms and larvae of aquatic species.
2. Fisheries died in whole form.
3. Aquatic products in fresh, preliminary processed, frozen, chilled forms.
4. Aquatic products salted, processed (drying, freeze-drying, fumigating).
5. Aquatic products in processed forms, canned.
6. Fish sauce, shrimp paste.
7. Fresh eggs, salted eggs and products made from aquatic eggs.
8. Fish powder, fish oil, fish grease, shrimp powder, oyster powder and products from other fisheries used as material.
9. Pharmaceutical ingredients with origin from fisheries: Fish oil and other pharmaceutical ingredients with origin from fisheries.
10. Skin, plumose skin, fin, opercle, shell of fisheries in fresh, dried, salted form.
11. Inflatable or waded aquatic products.
12. Teeth, claws, bones, shells of aquatic animals not refined yet.
13. Aquatic swabs
14. Objects of other aquatic products subject to quarantine at the request of import country or as prescribed in International treaties of which Vietnam concluded or is member.

III. MEANS, OUTFITS RELATED TO AQUATIC AND AQUATIC PRODUCT TRANSFER

1. The means for transport in roadway, railway, waterway, seaway and airway: Airplanes, trains, automobiles, vessels and other means for transport.
2. Outfits, tools, packages to contain relating to transporting, storing, loading fisheries, aquatic products.

3. Buffers, wastes during the process of transporting fisheries, aquatic products.