

MINISTERIE VAN VERKEER EN INFRASTRUCTUUR  
Bestuur van de Maritieme Zaken en van de Scheepvaart  
Scheepvaartcontrole - Dienst Schouwingen en Certificatie

Oostende, 26 August 2010

Your letter from:  
Your reference:  
Our reference: BMI /SID  
Attachements: x

To the Master of the vessel

Your contact person:  
The maritime inspector D. Sijmons  
gsm : 0477 58 14 71  
e-mail: david.sijmons@mobilif.gov.be

CC Mr. P. POORTERS

Fax Nr.: 03 561 33 55

## Faxbericht

Concern:

### PERMANENT PERMISSION FOR SHIPMENT OF:

#### Ammoniumsulfaat (UN 2067)-Ammonium Nitrate Based Fertilizer

Is been granted to the ship mentioned below:

Name Ship :  
Flag :  
G.R.T.:  
IMO Nr.:  
Call Sign :  
Year of. Built

ARKLOW SPRAY  
Bahamas  
2300,-  
9117961  
C6VK8  
1996

Following conditions to be taken (Master is notified)

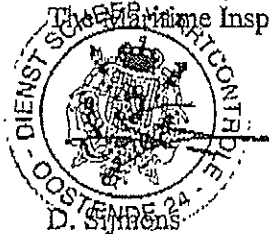
1. A "Certificate of sample test on the subject of absence of liability of detonation", to be delivered on board of the ship.( BC Code Ammonium Nitrate 2067, Appendix B, Observations of appendix D5 & National Law: MB Ministry of Economical Affaires dated 14/05/1982.)

2. Maximum allowed temperature of the product is **35°C**. (National Law; MB Ministry of Economical Affaires dated 14/05/1982) (In BC Code Ammonium Nitrate 2067 . Appendix B special Requirements §4 2, is Max. 40°C allowed)
3. All electrical supply to the enclosed cargo spaces **must be electrically disconnected** at a point external to the space, and sealed off (by removal of links in the system, other than fuses-Solas II-2/54.2.2) and (BC Code-Appendix B ammonium nitrate Special requirements Item 5.4 )
4. The total amount of simple fertilizer for a ship may not be greater than 4000 ton if loaded together (but separate by a complete hold) with other flammable products (i.e. Chlorinates, chlorides, chlorites, hypo-chlorites, nitrides, permanganates, metal powders & other fibrous materials such as cotton, gunny, sisal), **except for one hold ships**, where the amount is unlimited, (National Law; MB Ministry of Economical Affaires dated 14/05/1982, amendment dated 27 Oct 1998)
5. Minimum capacity of the fire pumps must be:
  - a. for ships less than 1000 GRT up to the administration = **60 m<sup>3</sup>/hour**. (National Law; MB Ministry of Economical Affaires dated 14/05/1982)
  - b. for ships between 1000 and 6000 GRT, 4 nozzles at 2,5 Bar ,Diameter 19mm, =100 M<sup>3</sup>/H (S74.CII-2.R54.2.1.2.)
6. Fire hoses to be kept ready for immediate use on deck with a minimum capacity of
  - a. Ships less than 1000 GRT = 1000 l/min. (60 m<sup>3</sup>/hour) .(National Law: MB Ministry of Economical Affaires dated 14/05/1982)
  - b. Ships between 1000 & 6000 GRT = 4 nozzles at 2,5 Bar ,Diameter 19mm, =100 M<sup>3</sup>/H (S74.CII-2.R54.2.1.2.)
7. During cargo operations (loading & unloading), is it not permitted to bunker or transferring fuel/oil. ( BC Code Ammonium Nitrate 2067 . Appendix B special Requirements §5.2)
8. Signs "**NO SMOKING**" to be posted on deck. .( BC Code Ammonium Nitrate 2067 . Appendix B special Requirements §5.1)
9. It is not allowed to weld, open cutting or other operations involving the use of fire, open flame, spark or arc-producing equipment on deck or in the vicinity of the cargo spaces, during cargo operations, except in an emergency and with the allowance of the port authorities of the port of Antwerp. .( BC Code Ammonium Nitrate 2067 . Appendix B special Requirements §5.1)
10. Be aware that ammonium nitrate can become liquid, when extinguishing with water, and taken so an adverse affect on the stability of the ship. .( BC Code Ammonium Nitrate 2067 . Appendix B, Observations & National Law; MB Ministry of Economical Affaires dated 14/05/1982, amendment dated 27 October 1998)
11. Wood except hardwood, **must be removed** or covered with "water glass" or similar kind of material, or provided with water- and fireproof sheeting. National Law; MB Ministry of Economical Affaires dated 14/05/1982, amendment dated 27 October 1998)
12. Provisions to open the cargo holds in case of fire in any cargo hold .(National Law: MB Ministry of Economical Affaires dated 14/05/1982, amendment dated 27 Oct 1998)
13. Bulkheads forming boundaries between cargo spaces and machinery spaces of category A (Internal combustion machinery for main propulsion or internal combustion machinery with total power > 375 KW) shall be insulated to "A-60" standard, unless the dangerous goods are stowed at least 3 m horizontally away from

such bulkheads: Other boundaries between such spaces shall be insulated to "A-60" standard. An equivalent arrangement should be approved by the competent authority. (BC Code Ammonium Nitrate 2067 . Appendix B special. Requirements §2, S74,CII-2.R54.2.8, and National Law: MB Ministry of Economical Affaires dated 14/05/1982

- 14. Fuel tanks situated under the cargo spaces should be pressure tested to ascertain that there is no leakage of manholes and piping systems leading through the spaces. ( BC Code Ammonium Nitrate 2067-Appendix B/Special. Requirements §5.3 & National Law-MB Ministry of Economical Affaires dated 14/05/1982)
- 15. at least two self-contained breathing apparatuses additional to those already required by Regulation 17. (S74,CII-2R54.2.6.1 & 2.6.2.)
- 16. Ships built after 1 February 1992, Arrangements for immediate availability of the above mentioned water supply, or suitable remote arrangements for the fire pumps.
- 17. Ships built after 1 February 1992, cargo spaces shall be fitted with either a fixed fire detection and fire alarm system, or a sample extraction smoke detection system.(S74,CII-2R54.2.3.)
- 18. Ships built after 1 February 1992, shall be provided with four sets of full protecting clothing resistant to chemical attack.
- 19. Ships built after 1 February 1992, shall be provided with portable fire extinguishers with total capacity of at least 12 kg = 2Pcs (of 6kg ABC) portable dry powder extinguishers, for the cargo spaces, additional to any portable fire extinguishers required elsewhere in this chapter (S74,CII-2).

Yours faithfully,  
The Maritime Inspector,



The Master

Capt.

*[Handwritten Signature]*  
Master m.v. Arklow Spray