



13th Meeting of States Parties to the Ottawa
Convention

**EXECUTION OF WORKS RELATED TO
DISPOSAL OF PFM
ANTI-PERSONNEL MINES IN UKRAINE**

Geneva
December 2-5, 2013



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**International Commitments of Ukraine
Concerning the Destruction of Anti-Personnel Mines**

Ukraine ratified the Ottawa Convention under the condition of receiving international technical and financial assistance for disposal of PFM-1 (1S) anti-personnel mines.

Disposal deadline expired on June 1, 2010.

Current number of mines for disposal: 5,435,248 PFM-1 (1S)


As of today Ukraine managed to dispose 1,218,433 mines (among those 567,672 PFM-1 mines).

Total number of PFM-1 mines disposed in 2013 – 332,352


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Quantity of PFM mines in ammunitions


Engineer ammunition
KSF-1 (PFM-1, S) -
1,108,432



Aviation ammunition
BKF (PFM-1S) -
1,134,120



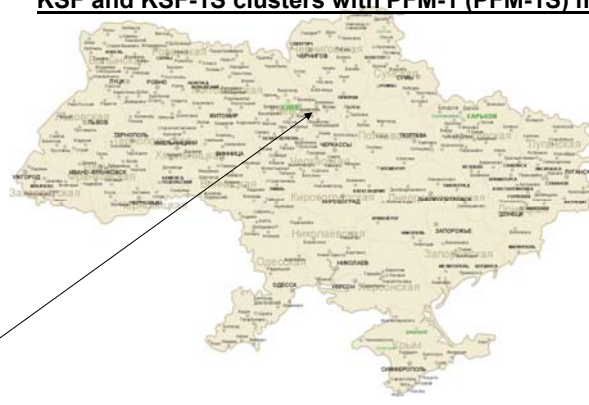
Rockets
missiles 9M27K3
(PFM-1S) - 3,192,696



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Ammunitions with PFM-1 Anti-Personnel Mines in Ukraine Liable to Destruction

1) Engineer ammunition:
KSF and KSF-1S clusters with PFM-1 (PFM-1S) mines



Place	Title	Quantity mines	Destroyed mines
Military Base A0534 (Olshanitsya village, Kyiv region)	KSF-1	1,108,432	522,792

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**Ammunitions with PFM-1 Anti-Personnel Mines in Ukraine
Liable to Destruction**

2) Aviation ammunition: BKF-PFM-1S block

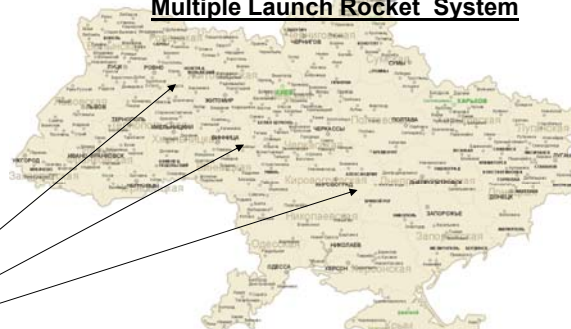


Place	Title	Quantity mines	Destructed mines
Military Base A3177 (Dubiyevka village, Cherkasy region)	BKF-PFM-1S	245,676	-
Military Base A A3013 (Gruzevitsa village, Khmelnytsyi region)	BKF-PFM-1S	889,044	-

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**Ammunitions with PFM-1 Anti-Personnel Mines in Ukraine
Liable to Destruction**

**3) 220 mm guided missiles 9M27K3 for "Uragan"
Multiple Launch Rocket System**



Place	Title	Quantity mines	Destructed mines
Military Base (B/4) A1358 (Tsvityuha village, Khmelnytsyi region)	220 mm RS 9M27K3	1,857,648	-
Military Base (B/4) A1201 (Bogdanovka village, Kirovograd village)	220 mm RS 9M27K3	642,408	-
Military Base (B/4) A1119 (Kalinovka village, Vinnytsya region)	220 mm RS 9M27K3	692,640	-

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EXECUTION OF WORKS RELATED TO DISPOSAL OF PFM-1 ANTI-PERSONNEL MINES AT SE “RIC “PAVLOGRAD CHEMICAL PLANT”



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Ammunition Disposal



Types of disposed ammunition

- Ammunition containing trotyl, caliber 76 – 240 mm
15 000 – 30 000 tonnes/year
- Ammunition containing cyclonite, caliber 20 – 203 mm
8 000 – 12 000 tonnes/year
- Cartridges, grenades, mines, detonators
2 500 – 3 300 tonnes/year
- Aviation and naval bombs, mines
1000 – 2 000 tonnes/year



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It is planned to destroy 3 million units of PFM-1 mines till 2015 within the framework of the NATO's Partnership for Peace programme Phase II

2013-02-01 Agreement on Disposal of PFM-1 (1S) Anti-Personnel Mines was signed between NATO/NSPA, Ministry of Defense of Ukraine and Pavlograd Chemical Plant at the NSPA Representation Office in Kyiv



Pic 1. Ceremony - General view

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2013-03-21 Pavlograd Chemical Plant launched the works on disposal of KSF-1 clusters with PFM-1 mines

In 2013 332.352 PFM-1 mines were destroyed thanks to the contribution of 200.000 Euros provided by the Federal Republic of Germany

Dismantling of ammo containing PFM-1 mines



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Disposal facility of PFM-1 mines



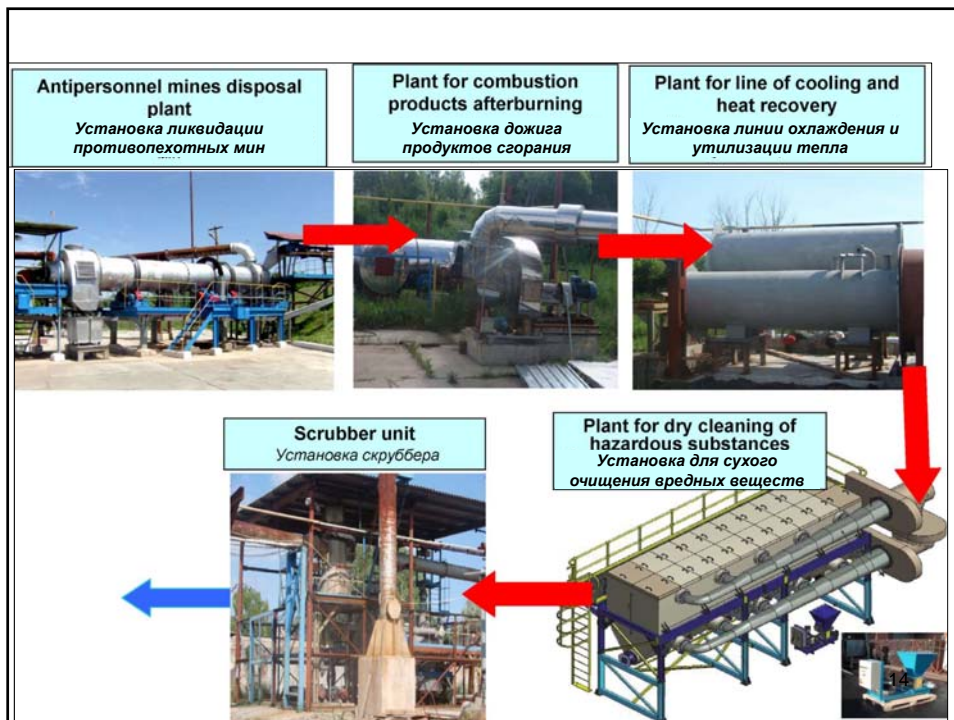
2013-04-09 Military Attachés from 15 countries have been familiarized with the ongoing project on disposal of PFM-1 anti-personnel mines at Pavlograd Chemical Plant



USE OF HUMANITARIAN ASSISTANCE GRANTED BY THE KINGDOM OF NORWAY

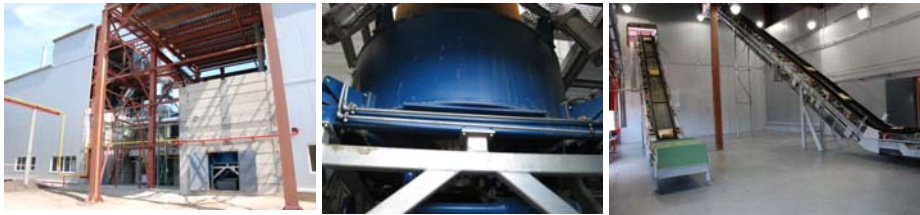
Description of equipment	Equipment suppliers
Equipment for line for cooling and heat recovery from fire disposal of PFM mines combustion products	CJSC "RIC INTERENERGO"
Equipment for dry cleaning of hazardous substances using ceramic filters complete with powder feeder, automation and control instrumentation system	Maritime House Limited, UK

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**In June 2013 Pavlograd Chemical Plant conducted the test disposal of PFM-1 anti-personnel mines using the EISENMANN detonation chamber
(this is the second site for PFM-1 mines disposal)**

Launch of this detonation chamber will double the pace of PFM-1 mines destruction



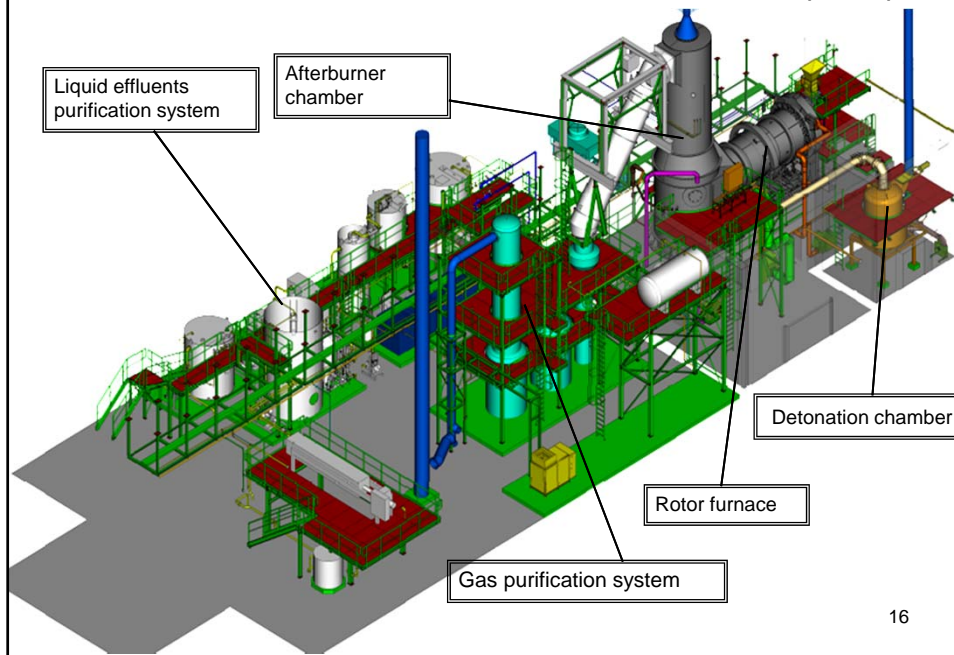
Site for thermal disposal furnace with detonation chamber and gas purification system

Detonation chamber

Site for loading blocks with PFM-1 mines

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HEAT TREATMENT EQUIPMENT FOR EMC FRAGMENTS (SS-24)

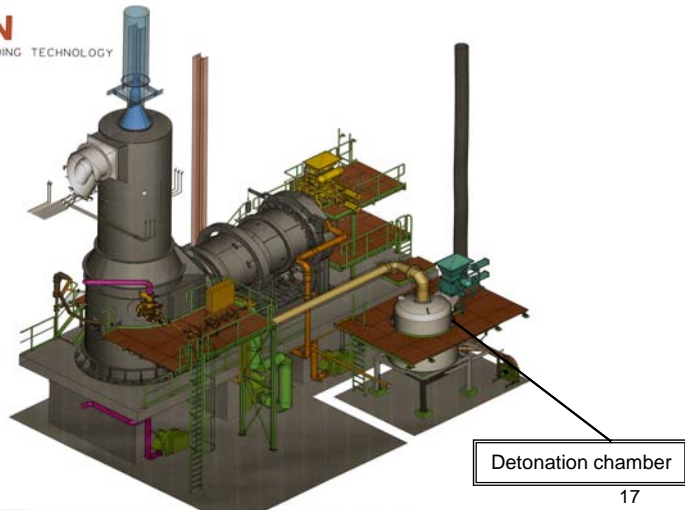


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DETONATION CHAMBER FOR PFM-1 (1S) DISPOSAL

EISENMANN

DRIVING SUCCESS THROUGH LEADING TECHNOLOGY



Construction of the site for PFM-1 (1S) ammunition preparation for disposal (removal of frames and electric caps)



Ukraine constructs at its own cost an additional section for dismantling of ammunition, containing anti-personnel mines , which will significantly increase the rate of destruction of antipersonnel mines PFM-1.

Ukraine's efforts to fulfill its obligations with respect to the destruction of PFM-1 antipersonnel mines

1. Development of an area for PFM1 disassembly
2. Improvement of technological methods for the destruction of PFM- 1
- 3 . Establishment of the National Mine Action Authority by the September 2013 Presidential Decree
- 4 . Destruction of 332,352 mines PFM-1 thanks to the help of Germany
- 5 . Continuation of an active dialogue with the European Commission (from which Ukraine expects financial assistance since 2005) as well as other donors on their participation in the destruction of antipersonnel mines PFM-1

Ukraine calls for the donor community to contribute to the process of resuming work on the destruction of anti-personnel mines PFM-1