Destruction of Anti-Personnel Ammunition in Belarus

Intercessional Meeting of the Mine Ban Treaty
Geneva, June 8, 2017

Analysis of the Anti-Personnel Landmine Convention

• Belarus has always shared concerns of the international community on the humanitarian and other aspects of the anti-personnel landmine problematic

• Belarus carried out basic requirements of the APLC in practice:
  • did not use anti-personnel mines for the protection of the state borders and for any other objectives;
  • did not produce or develop mines;
  • provided physical protection and security of mines stockpiles, thus eliminating the possibility of their trafficking;
  • had already began a process of destruction of its anti-personnel mines stockpiles
Legal Framework

Decree by the President of the Republic of Belarus of 28 July 2003 #330. The Republic of Belarus joined the Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction

Decree by the Council of Ministers of the Republic of Belarus of 6 May 2004 #525 "On Fulfillment of the Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction"

Order by the Minister of Defence of the Republic of Belarus of 1 September 2003 #742 "On Organisation of Fulfillment of the Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction"

Orders by the Minister of Defence #851 of 6 October 2003 and #138 of 25 February 2003 “On Discarding from Service of Certain Types of Munitions within the Armed Forces”

Anti-personnel ammunition for destruction under the Ottawa Treaty

<table>
<thead>
<tr>
<th>Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMN</td>
<td>45,425</td>
</tr>
<tr>
<td>PMN-2</td>
<td>114,384</td>
</tr>
<tr>
<td>POM-2</td>
<td>57,324</td>
</tr>
<tr>
<td>POMZ-2</td>
<td>12,799</td>
</tr>
<tr>
<td>POMZ-2M</td>
<td>64,843</td>
</tr>
<tr>
<td>PFM-1 (KSF)</td>
<td>2500016</td>
</tr>
<tr>
<td>PFM-1S (BKФ)</td>
<td>664000</td>
</tr>
<tr>
<td>PFM-1S (9M27KZ)</td>
<td>461136</td>
</tr>
</tbody>
</table>
Destroyed Mines Series

PMN-2

PMN

POM-2

Utilized by removal of fuses and molding of cases

POMZ-2, POMZ-2M
NAMSA

The Republic of Belarus

PMN, PMN-2, POMZ-2, POMZ-2M, POM-2

Destruction by detonation

- PMN – 45,425 pieces
- PMN-2 – 114,384 pieces
- POM-2 – 57,324 pieces
Destruction of the cases of
POMZ-2 - 12,799 pieces
POMZ-2M – 64,843 pieces by molding

Removal of auxiliary parts
(fuses, trip-wires)
200,826 pieces (100% of OZM-72)
Retained for training

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMN</td>
<td>1,498 pieces</td>
</tr>
<tr>
<td>PMN-2</td>
<td>1,486 pieces</td>
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<tr>
<td>POMZ-2M</td>
<td>1,516 pieces</td>
</tr>
<tr>
<td>POMZ-2</td>
<td>1,498 pieces</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>5,998 pieces</strong></td>
</tr>
</tbody>
</table>

Project on PFM-1 destruction
PFM-1 (1)

KSF-1(1s)

PFM-1 (2)

BKF-1
Missile 9M27K3 (MLRS “Uragan”)
Problems

• Ecological
• Technical
• Financial

PROJECT SYNOPSIS
The main task of EXPAL SA was the irreversible destruction of the PFM-1 series ammunition (about 3,366,500 mines in total). The destruction was carried out on the premises of the 2271 Engineer Ammunition Base in Rechitsa.

The overall procedure aimed at the destruction of PFM-1 series ammunition can be summarised as follows:
- Transfer of the PFM-1 series ammunition from the munitions depots to the destruction facility by the Government of Belarus (GoB)
- Transfer of safety and security responsibility for the PFM-1 series ammunition to EXPAL SA
- Pre-processing and destruction of the PFM-1 series ammunition
- Treatment of liquid and gaseous effluents, and all solid waste resulting from the destruction to levels of concentration acceptable for release (confirmed in the special permits and operating license granted by the GoB) into the environment
- Transfer of solid waste outside the destruction facility for management and final disposal by the GoB.”...
Destruction plant

Detonation chamber
Preparation of PFM-1 for destruction

Off Gas Treatment resulting from the destruction of PFM-1
Solid waste resulting from the destruction of PFM-1

Project data

**Project cost** 3,9 million Euro

**Project timeframe**

December, 2010 - the European Commission signed the contract with EXPAL

April, 2017 - Last PFM 1 mines destroyed
Project results

The implementation of the project activities allowed:
- Completely destroyed PFM-1 type mines in Belarus;
- Fully implement the international obligations under the Ottawa convention;
- Optimize ammunition storage sites;
- Reduce costs associated with the storage of PFM-1 mines
Questions

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