

Some Arms Control and Non-Proliferation Opportunities and Challenges Created by the NPR and New-START Treaty

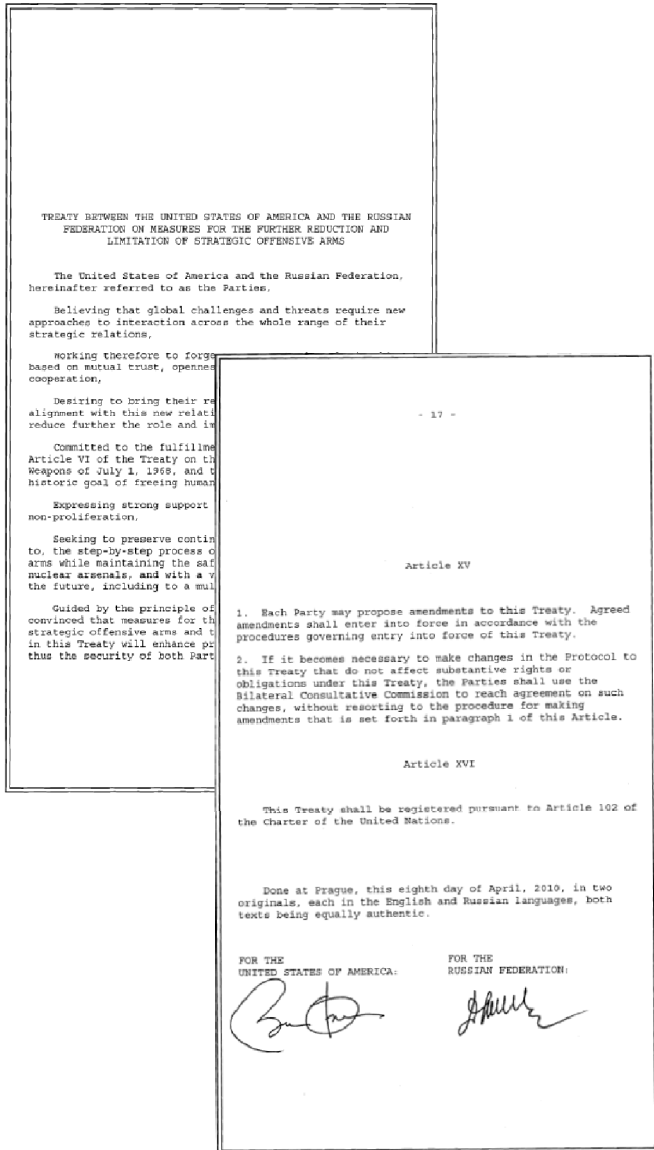
**Presented to the
PONI Next Generation Working Group (NGWG)**

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Arms Control Context

New-START has been ratified

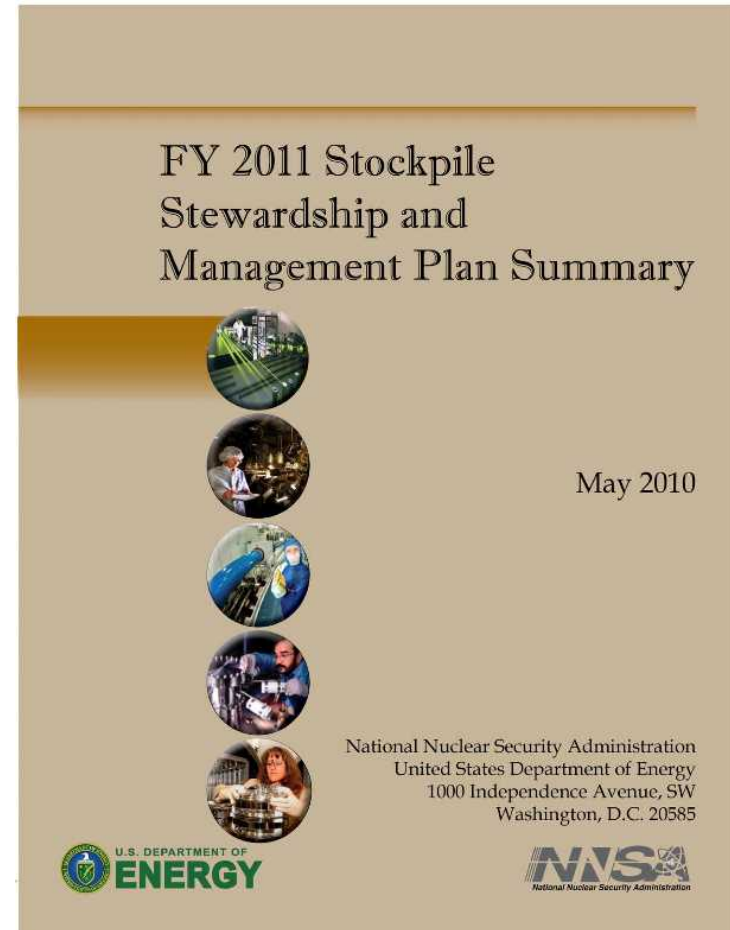
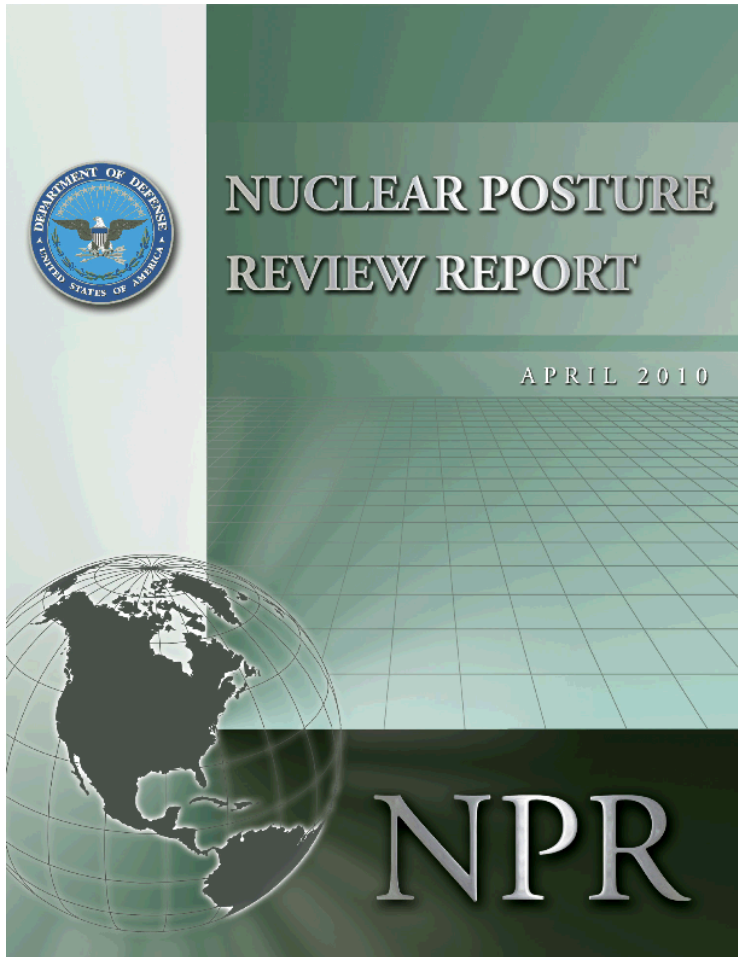


source: www.kremlin.ru

- Signed on April 8, 2010 in Prague by Barack Obama and Dmitry Medvedev.
- U.S. Senate provided its advice and consent to ratification of the treaty by vote of 71–26 vote on December 22, 2010.
- The treaty was ratified by Russian State Duma on January 25, 2011, and by the Federation Council of Russia on January 26, 2011.

Nuclear Weapons Context

The Administration has submitted both the NPR and the Stockpile Stewardship and Management Plan to Congress



Nuclear Posture Review

The NPR provides a policy framework that offers opportunity for integration between NW and Arms Control / Nonproliferation Programs

- 1. Preventing Nuclear Proliferation and Nuclear Terrorism**
- 2. Reducing the Role of U.S. Nuclear Weapons**
- 3. Maintaining Strategic Deterrence and Stability at Reduced Nuclear Force Levels**
- 4. Strengthening Regional Deterrence and Reassuring U.S. Allies and Partners**
- 5. Sustaining a Safe, Secure, and Effective Nuclear Arsenal**

Example for integration: The infrastructure needed for “Sustaining a Safe, Secure, and Effective Arsenal”

- **Increase investments in the nuclear weapons complex**
 - Address aging infrastructure
 - Support Science, Technology, and Engineering
 - Recruit and retain key human capital in DoD and DoE
 - Continued leadership focus on the nuclear mission

Example (cont.) – Infrastructure Modernization

Objective: “restore”, “modernize”, “recapitalize”

- 1. Increase investments in nuclear workforce to**
 - ensure the long-term safety, security and effectiveness of the arsenal
 - support full range of nuclear security work including non-proliferation, forensics, counter-terrorism, emergency management, intelligence analysis, and treaty verification
- 2. Fund the CMRR Project at LANL to replace the existing facility in 2021**
- 3. Fund the UPF Project at Y-12 to begin production operations in 2021**
- 4. Increase pit production capability at the LANL PF-4 facility to demonstrate pit reuse by 2017 and production by 2018-2020**
 - Plan and program to ramp up to a minimum of 50-80 pits/year by 2022
- 5. Size new production facilities to support the varied requirements of**
 - the Stockpile Stewardship Program mandated by Congress
 - implementing life extension plans
 - conducting technical surveillance
 - supporting naval requirements
 - dismantling warheads and eliminating material no longer needed for defense programs

Closing Thought

At a recent Workshop on Verification and Compliance Challenges sponsored by the Department of State (January 12, 2011), it was recognized that only one or two people in a room of 30-40 were under the age of 45...

We need you and your ideas for the future.