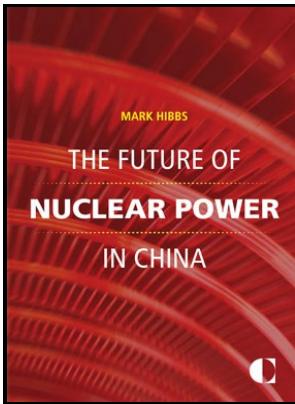


# Managing the nuclear fuel cycle - policy implications of expanding global access to nuclear power

**Nova Science Publishers - Managing the Nuclear Fuel Cycle: Policy Implications of Expanding Global Access to Nuclear Power**



Description: -

- - Dairy cattle.
  - Milk fever in animals.
  - Young adults libraries -- Connecticut -- Use studies.
  - Childrens libraries -- Connecticut -- Use studies.
  - Radioactive waste disposal -- International cooperation
  - Nuclear accidents -- Risk assessment
  - Spent reactor fuels -- Security measures
  - Reactor fuel reprocessing -- Safety measures
  - Nuclear fuels -- Government policy
  - Managing the nuclear fuel cycle - policy implications of expanding global access to nuclear power
  - Managing the nuclear fuel cycle - policy implications of expanding global access to nuclear power
- Notes: Includes bibliographical references and index.  
This edition was published in 2008



Filesize: 67.74 MB

Tags: #Managing #the #Nuclear #Fuel #Cycle: #Policy #Implications #of #Expanding #Global #Access #to #Nuclear #Power

## **Managing the Nuclear Fuel Cycle: Policy Implications of Expanding Global Access to Nuclear Power**

Therefore, nuclear fuel for a fast reactor must have a higher proportion of fissionable isotopes than a thermal reactor to sustain a chain reaction, but a larger number of different isotopes can constitute that fissionable proportion.

### **Managing the nuclear fuel cycle: policy implications of expanding global access to nuclear power.**

New reactors are on order elsewhere in the world, and several non-nuclear countries have announced that they are considering the nuclear option.

## **Managing the Nuclear Fuel Cycle: Policy Implications of Expanding Global Access to Nuclear Power**

In 2001, USEC ceased uranium enrichment operations in Portsmouth and consolidated operations in Paducah. Since the mid-1980s, however, world nuclear fuel requirements continued to rise while uranium exploration and production fell. For use as fuel in light water reactors,  $^{235}\text{U}$  must be enriched above its natural ore concentration.

### **Managing the nuclear fuel cycle: policy implications of expanding global access to nuclear power.**

Since 2004, the Group of Eight G-8 Nations have announced a year-long suspension of any such transfers at their annual summit meetings, and international study groups have been formed to try and find agreement on a more permanent solution to the problem. Uranium hexafluoride contains two isotopes of uranium — heavier  $^{238}\text{U}$  and lighter fissionable  $^{235}\text{U}$ , which makes up ~0.

## Related Books

- [Aquiles y la pólvora](#)
- [Aleppo merchants letters \(Edmond Sherman\)](#)
- [John Law - the history of an honest adventurer.](#)
- [Protest and change - studies in social movements](#)
- [Farbige Träume aus den durchsichtigen Gedanken - Romantik- Symposium 1994 in Mariastein : neue Beitr](#)