

EDO Principal Correspondence Control

FROM: DUE: 08/27/09

EDO CONTROL: G20090436  
DOC DT: 07/18/09  
FINAL REPLY:

Sidney J. Goodman  
Mahwah, New Jersey

TO:

Chairman Jaczko

FOR SIGNATURE OF :

\*\* GRN \*\*

CRC NO: 09-0382

Leeds, NRR

DESC:

Unstable Ground for Nuclear Power Plants -  
Potassium Iodide (EDATS: SECY-2009-0374)

ROUTING:

Borchardt  
Virgilio  
Mallett  
Ash  
Ordaz  
Burns/Gray  
Collins, RI  
Orders, OEDO

DATE: 07/30/09

ASSIGNED TO:

NRR

CONTACT:

Leeds

SPECIAL INSTRUCTIONS OR REMARKS:

Template: SECY-017

ERIDS: SECY-01

# EDATS

Electronic Document and Action Tracking System

**EDATS Number:** SECY-2009-0374

**Source:** SECY

## General Information

**Assigned To:** NRR

**OEDO Due Date:** 8/27/2009

**Other Assignees:**

**SECY Due Date:** NONE

**Subject:** Unstable Ground for Nuclear Power Plants - Potassium Iodide

**Description:**

**CC Routing:** NONE

**ADAMS Accession Numbers - Incoming:** NONE

**Response/Package:** NONE

## Other Information

**Cross Reference Number:** G20090436, LTR-09-0382

**Staff Initiated:** NO

**Related Task:**

**Recurring Item:** NO

**File Routing:** EDATS

**Agency Lesson Learned:** NO

**OEDO Monthly Report Item:** NO

## Process Information

**Action Type:** Letter

**Priority:** Medium

**Signature Level:** NRR

**Sensitivity:** None

**Urgency:** NO

**OEDO Concurrence:** NO

**OCM Concurrence:** NO

**OCA Concurrence:** NO

**Special Instructions:**

## Document Information

**Originator Name:** Sidney J. Goodman

**Date of Incoming:** 7/18/2009

**Originating Organization:** Citizens

**Document Received by SECY Date:** 7/30/2009

**Addressee:** Chairman Jaczko

**Date Response Requested by Originator:** NONE

**Incoming Task Received:** Letter

OFFICE OF THE SECRETARY  
CORRESPONDENCE CONTROL TICKET

Date Printed: Jul 29, 2009 11:49

---

PAPER NUMBER: LTR-09-0382 LOGGING DATE: 07/29/2009  
ACTION OFFICE: EDO  
  
AUTHOR: Sidney Goodman  
AFFILIATION: NJ  
ADDRESSEE: Gregory Jaczko  
SUBJECT: Power plant construction  
  
ACTION: Appropriate  
DISTRIBUTION:  
  
LETTER DATE: 07/18/2009  
ACKNOWLEDGED No  
SPECIAL HANDLING:  
NOTES:  
FILE LOCATION: ADAMS  
DATE DUE: DATE SIGNED:

EDO --G20090436

158 Grandview Lane

Mahwah, NJ 07430

July 18, 2009

To:Gegory B Jaczko, PhD.

**Do you care about building on soft ground that liquefies in an earthquake?**

At around 5:30 AM on June 27, 2009 an unoccupied building, still under construction at Lianhuanan Road in the Mining district of Shanghai City toppled.

This is what can happen when you build on soft ground, on unstable land. The other buildings shown may also fall, some time in the future.

Just before the toppling, there were reports of cracks on the flood-prevention wall near the buildings and "special geological conditions" in the water bank area.



Toppled Building lying flat on the ground.



Pilings that were supposed to assure that the building was stable.

**Three New Jersey nuclear power plants are built on soft ground. These are the Salem I, Salem II, and the Hope Creek plants.**

They are on *Artificial Island* in the *Delaware River*. It was named "Artificial" because it was man-made with filled in land. There is a swamp on one side of the island with the river on the other side. There is no solid rock underneath. Borings were made up to 100 feet deep. No rock was found. The reactors are built on pilings similar to the pilings shown in the collapsed Shanghai City building.

See the concrete pilings of the building that collapsed.

Like so many nuclear facilities, these three nukes are close to an earthquake fault. This fault rumbled on February 3, 2009. Building the plants on soft ground is a "bonus". The noise of geological shocks in February, terrified people in Morris County who thought the shocks were explosions as reported by The Star Ledger,

The Morris County (NJ) quake had an intensity of 3.0. That was a small event according to the *US Geological Survey*. But much more intense earthquakes are due. Earthquakes may occur a few times a year in New Jersey. Some are so small that they are hardly noticed. A biggie can happen in a hundred years or tomorrow.

In Japan, seven reactors at the *Kashiwazi-Kariwa* nuclear power plant in Japan were shut down due to an earthquake, fire and nuclear leak. People were killed and injured by the 6.8 magnitude quake, which struck in July, 2007. A new fire at the still shut down plant occurred in March, 2009. 600,000 residents signed a petition opposing restart of the plant.

**If you want to know where radioactive wastes are kept, look at a map which locates earthquake prone areas. Bingo!**

**An earthquake makes the ground unstable. The ground liquefies. With the sublime confidence of building on soft ground, near an earthquake fault, the managers of PSE&G want to put a fourth nuke on *Artificial Island*. The arrogance of it all is almost unbelievable.**

**Believe it!**

Why did the NRC allow construction of nukes on Artificial Island in the first place?

Why is the NRC satisfied with a mere ten mile evacuation zone around a nuke when poisons from Three Mile Island were blown hundreds of miles. Poisons from Chernobyl were blown around the world?

Why does the NRC support the Price Anderson Act, which limits liability of a disaster to a microscopic fraction of the potential damage which will be incurred? This Act limits the concerns of operating utilities, a really risky effect.

Why does the NRC support the distribution of potassium iodide pills as an assurance that no one will be harmed from a disaster? These pills only protect against radioactive iodine. The pills must be taken immediately and continue to be used for as long as radioactive iodine lingers in the environment. The pills do nothing to protect against all of the other radioactive poisons which are released. This is no real assurance to anyone who is informed.

The record of the NRC has earned it the reputation such that the initials **NRC** stands for **Nobody Really Cares**. The automatic relicensing of old and crumbling nuclear plants by the NRC emphasizes the truth of that reputation.

**What are you going to do to inject some overdue reforms in NRC policy?**

Very truly yours,



Sidney J. Goodman, P.E., M.S.M.E.

Professional Engineer, NJ License 15326

(201) 327-5158 home phone