

ACTION: DRPM:CRUTCHFIELD  
2 pages, plus 6 pages, 8 total,

Ref. EDO 606

Action: Russell, NRR  
Due: 9/15/95

The Executive Director of the NRC  
Nuclear Regulatory Commission,  
Washington, DC 20555

cys: Taylor  
Milhoan  
Thompson  
Blaha  
Cyr, OGC



Pamela Blockey-O'Brien  
D23 Golden Valley  
Douglasville, GA 30134

Aug. 31st, 1995

Dear Sir,

Re: Docket 50-160 . Attached to this page is a letter to you dated Aug. 28th, 1995 of 6 pages. Due to what is listed in that letter (and what is in my letter to NRC of Aug. 21st, 1995-written by hand- and my letter of Aug. 18th, 1995) , and due to the violations, non-compliance, problems over the years at the Georgia Tech Neely Nuclear Research Reactor, on the Campus of the Georgia Institute of Technology, Atlanta , Ga., the lack of NRC's fully looking into many prior issues raised (such as performing X-rays etc. mentioned in my Aug. 18th letter), due to lack of emergency evacuation plans for the city of Atlanta; the probable exposure of children who toured the reactor and the vulnerability of children to any exposure to ionizing radiation; lack of real knowledge of what a radioactive plume(s) from the reactor would do based on what happened at Chernobyl; the fact that the liscences documents under re-liscensing application state, (p.208,C2),"Shielding by reactor containment building" quote: "The roof of the building, which consists primarily of a 5/8-inch thick steel plate would provide very little shielding." i.e. in case of accident and radioactive releases, due to the lack of radiation protection gear by agencies who would be responding to any accident or, God forbid, terrorist attack; due to the fact that Tech wished to bring in dangerous LEU fuel , due to the fact that hundreds of thousands of curies of Cobalt-60 are to remain on-site although water from the pool would be needed to help cool the reactor perhaps in an emergency as listed in the Aug. 18th letter; due to the fact that to my knowledge the HEU is still on site at the reactor and the 6,000 Curies of Cesium 137 are still stashed on campus under a nearby building; due to the fact that the NRC in the interests of public health and safety should be able to guarantee in writing everything I asked for them and Georgia Tech to guarantee in my Aug 21st. 1995 letter (and so should Georgia Tech/Neely Nuclear Research Center/ Reactor ) , due to the fact that there WAS a sinkhole next to the reactor years ago and that another might happen as one already happened, and due to all other bases listed in the attached letter and letter of Aug. 18th, 1995,

I hereby request UNDER SECTION 2.206 of 10 CFR ~~WHAT~~ THERE BE LISCENSE WITHDRAWAL, SHUTDOWN, REMOVAL OF ALL RADIOACTIVE MATERIALS, INCLUDING HEAVY WATER, CLEANUP OF SITE, SURROUNDING AREA AND SEWER LINES AT THE Georgia Tech Neely Nuclear Research Reactor, Atlanta, AND THE REVOCATION OF ALL LISCENSES ENABLING DUMPING OR DISCHARGE OF RADIOACTIVE WASTIES TO THE SEWERS OR WATERS OF THE UNITED STATES AND/OR ~~NATIONS~~ OCEANS OF THE WORLD, AND REVOCATION OF "ALARA", AND A PROHIBITION ON SCHOOL CHILDREN OF ANY AGE TOURING OR GOING INSIDE ANY NUCLEAR FACILITY (INCLUDING THE TECH REACTOR?FACILITY) AT ANY TIME UNDER ANY CIRCUMSTANCES FOR HEALTH AND SAFETY REASONS (BASED IN PART ON DR. STEWARTS "OXFORD STUDY" SHOWING VULNERABILITY TO RADIATION AND IN PART ON JAPANESE STUDIES, AND IN PART ON UKRAINIAN DOCTORS REPORTING THE MASSIVE INCREASE IN THYROID AND OTHER CANCERS AMONG CHILDREN AND MORE THAN 125,000 DEATHS OF PEOPLE, INCLUDING CHILDREN, AMONG THOSE FIGURES HAVING DIED AS A RESULT OF EXPOSURE TO RADIATION FROM CHERNOBYL BY 1994, and in part on what I wrote in my Aug. 18th letter on the subject of dangers of radiation exposure and NRC admitting there was no safe level, AS WELL AS OTHER REPORTS TOO NUMEROUS TO MENTION HERE) XRRAYS OFF ALL TECH REACTOR WELDS AND SOUTPORTS OF THE REACTOR , THE FLOOR, THE POOL HOLDING THE COBALT-60, THE HOT CELL, THE FUEL STORAGE AREAS, GEOLOGIC PROBES TO BE SUNK BELOW THE REACTOR AS WELL AS X-RAYS TO BE MADE BELOW THE ENTIRE STRUCTURE, ALSO OF THE FILL MATERIAL AND GEOLOGIC PROBES TO BE TAKEN OF SAME TO DETERMINE CONTENT AND EROSION BELOW THE REACTOR/CONTAINMENT, X-RAYS RUN ON ALL SEWER AND PIPE LINES BOTH INSIDE AND BELOW THE REACTOR AND CONTAINMENT BUILDING AND ATTACHED CENTER AND TESTING OF SAID LINES FOR RADIOACTIVE CONTAMINATION TO WHERE SAID LINES JOIN AND OR MEET THE CRME ST. TRUNK LINES AND TESTING OF SOIL OVERBURDEN OF SAID LINES TO THE SAME DISTANCE AS WELL AS GROUNDWATER AND SOIL ADJACENT TO AND BELOW THE REACTOR/CONTAINMENT WITH PARTICULAR ATTENTION TO AREAS TO THE WEST OF THE REACTOR/CONTAINMENT IN A DEPRESSION THAT IS ALMOST ALWAYS DAMP AND SOGGY WHERE EPD ONCE FOUND TRITIUM WHICH PROBABLY CAME FROM THE REACTOR:AND TESTING DONE OF LEAK-TIGHT-

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NESS OF CONTAINEMENT. ALL TESTS TO BE DONE BY REPUTABLE AGENCIES NOT AFFILIATED IN ANY WAY WITH GA. TECH OR ITS BOARD OF REGENTS OR AGENCIES OR COMPANIES GIVING MONEY TO GEORGIA TECH OR THE NUCLEAR PROGRAMS OR REACTOR.. THAT SAID TESTS NOT BE PAID FOR OUT OF TAXPAYERS MONEY, BUT BY THOSE WHO HAVE USED THE REACTOR SUCH AS OTHER UNIVERSITIES AND NO COMPANY EVER FINED BY EPA OR REPRIMANDED BY EPA OR FINED BY OR REPRIMANDED BY THE STATE OF GEORGIA EPD OR EPD RADIATION PROTECTION DIVISION BE USED. THAT THE ENTIRE TEXT OF THIS LETTER AND THE ATTACHED LETTER OF AUG.28th AND MY LETTER OF AUG. 21st and AUG. 18th'95 BE PUBLISHED IN THE FEDERAL REGISTER AND THAT THOSE ON THE SERVICE LIST OF NRC'S JULY 27th '95 letter TO ME BE SERVICED AND THAT IT ALSO BE SENT TO THE PUBLIC DOCUMENT ROOM AND DOCKETED.

FURTHERMORE, THAT UNDER THIS 2.206 PETITION, THE ISSUE OF TERRORISM?ACCIDENT BEFORE, DURING OR AFTER THE OLYMPICS BE ADDRESSED , AS WELL AS SABOTAGE (INCLUDING INSIDER SABOTAGE) AND THAT NRC SHOULD NOT MAKE DISTINCTIONS BETWEEN ACTS OF VANDALISM AND SABOTAGE SUCH AS HAPPENED ACCORDING TO UCS AT BEAVER VALLEY UNIT 1 PLANT IN PENNSYLVANIA IN 1981. VANDALISM SHOULD BE TREATED AS SABOTAGE WHEN IT OCCURS INSIDE ANY NUCLEAR FACILITY, AND COULD HAVE AN EFFECT ON HEALTH AND SAFETY.

I ALSO BELIEVE THAT IT APPEARS THAT UNDER SECTION 2,202, ORDERS, THAT THE ENTIRE DOCKET FOR THE NEELY NUCLEAR RESEARCH REACTOR SHOWS SUFFICIENT CAUSE (such as violations, non-compliance, uncited violations, other problems) shows the "...POTENTIALLY HAZARDOUS CONDITIONS OR OTHER FACTS DEEMED TO BE SUFFICIENT GROUND.. THAT THE COMMISSION CAN INSTITUTE A PROCEEDING TO REVOKE THE LICENSE AND TAKE THE ACTIONS I HAVE ASKED FOR UNDER 2.206 WITH RESPECT TO THE REACTOR, AND THAT THE COMMISSION UNDER 2.202 CAN FIND "...THAT THE PUBLIC HEALTH, SAFETY OR INTEREST SO REQUIRES ..." THAT AN IMMEDIATELY EFFECTIVE ORDER CAN BE ISSUED.

However, as NRC knows, I am not a lawyer, but I do feel that the Commission can and should take action.

The new information contained in both the attached letter and other letter (Aug. 18th'95) mentioned is definitely sufficient grounds to admit my/this 2.206, and consider what I have said under 2.202. This definitely should be granted in the interests of public health and safety. I've said before and I'll say it again, the place is a dump, would never get licensed under current laws, has a history of problems the paperwork of which would probably reach the top of Stone Mountain, Georgia and has no place in the midst of thousands of students in the middle of a major city which can't be evacuated in a hurry in events of accident or terrorism.

PLEASE grant this 2.206 and shut the thing down forever and demand it be cleaned up properly. At present it's like a pus filled sore on the face of the city waiting to erupt.

Pamela Blockey-O'Brien.

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6 pages total.

To be considered as a new 2.206  
(along with attached cover  
letter and my letter of Aug 18 1995)



Pamela Blockey-O'Brien  
D23 Golden Valley  
Douglasville, GA 30134

To:  
The Chairman, Atomic Safety and  
Licensing Board, Justice Bechhoefer,  
Justice Dr. Lam and Justice Dr. Kiline.

The Executive Director of the NRC,

The Commissioners for the NRC,

and the entire service ~~list~~ on the NRC Response to my 2.206 Petition of July 31st, 1995 concerning  
the Georgia Tech Reactor, Docket 50-160,  
U.S. NRC,  
Washington, DC 20555

Aug. 28th, 1995

To All the above cited persons: Greetings,

By the time you all get this, you should have received my Aug. 18th, 1995 response to the  
NRC's Partial Response to my 2.206 Petition as NRC should have distributed it to you I believe.

Although I am so tired of arguing the obvious, I thought everyone should know the following  
information:

This information is from the NRC's own printout on the Georgia Tech Nuclear Reactor, showing problems,  
violations, non-compliance, over and over again. Sometimes the same problems repeat.

This is not everything listed.

1978 Failure to meet charcoal cartridge analysis surveillance interval and failure to complete and  
document rod worth surveillance.

1980 ....continuing problem with coolant flow anomaly  
1979/reported 1980 During ECCS Tank TD-2 monthly flow rate verification flow rate observed to be 8gpm,  
caused by loose lock nuts which fix handle-to-ball operating shaft.

1980 Low flow scram of flow recorder FRA-D1 resulted in reactor trip and subsequent SHUTDOWN, caused  
by broken Teflon gasket pieces restricting flow. Gasket repaired and system refilled. (TASKED NRC  
TO RE-INSPECT THE GASKETS AS THIS WAS A LONG TIME AGO. THE NRC INSPECTORS SUPERIORS WOULD NOT LET  
IT BE DONE)

1980 Heavy water Temp recorder TRA-D1 was not recalibrated after replacement of worn sliding  
contacts on scanner select switch. Cause not stated. Importance of recalibration emphasized to  
personnel.

1981 Non-compliance (on a variety of things)

1981 physical security systems not maintained per approved plan

1982 failure to perform heat balance calibration checks when reactor operated at or above 1 MW

1982 irradiated material removed from biol. shield penetration H-2 w/o health physics supervision.

1983 release of 70 uCi of Cobalt-60 to city sewer, caused by valve on closed filter loop of  
storage pool left open following maintenance act. (SOUND FAMILIAR ?)

1983 failure to label container of rad. material in waste storage bldg. (Late 1983 D.R. KARAM JOINS)

1984 non-compliance, 2 procedures,

1985 (Concerning EXAMS for reactor operators) Exam results: One Senior Reactor candidate passed,  
both reactor operator candidates failed, two reactor operator candidates withdrew applications.

1985 violations, failure to follow procedures etc.

1985 notices of violation and deviation

1985 order to show cause why licensee authority to possess HBU fuel should not be suspended.

1985 Failure to adequately sample liquid waste during release (SOUND FAMILIAR ?) failure to adhere  
to Tech Spec requirements for monitoring set points.

1985 Gets time extension due to experimentation and data gathering to verify QUANTITY OF AR-41  
ESCAPING FROM CONTAINMENT BUILDING.

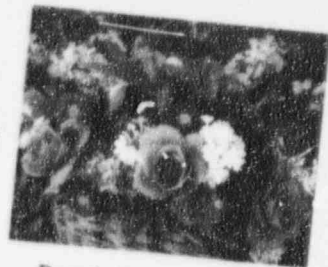
1986 Annual Report including operations summary, power generation shutdowns unscheduled maintenance  
on safety related sys and components and changes test and experiments w/o prior NRC approval.

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Aug. 28<sup>th</sup>, 1995

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