

Preliminary Version- Pending Commission Approval

Minutes of the Rhode Island Atomic Energy Commission Meeting, 6 November, 2006

Dr. Mecca called the meeting of the Rhode Island Atomic Energy Commission to order at 8:00 AM. Present were Commissioners: Dr. Stephen Mecca, Dr. Andrew Kadak, , and Dr. Bahram Nassersharif and staff Dr. Terry Tehan, Hank Bicehouse , Jeff Davis and Mike Middleton. Dr. Gromet arrived at 8:09 AM.

1. Minutes of the 12 July 2006 RIAEC Meeting.

Dr. Kadak made a motion to accept the amended minutes (copy attached). Dr. Nassersharif seconded the motion. The minutes of the meeting were reviewed. A Motion to accept minutes passed unanimously.

2. Reactor Operator Qualification Progress Report. Mike Middleton made a report on qualification status. Both exams are scheduled for next spring. The Commission was assured that there were adequate licenses for operation for the current operating schedule. Should an increase in reactor use occur, the number of licensed operators may be insufficient.

3. Operating Budget/ Capital Budget/grants. Dr. Tehan presented a written report on the budget. A discussion was held on use of funds. The Commission reinforced the need to ensure the state funds were adequate for normal operation and maintenance activities and that the federal funds were not being used to cover such items since they are restricted to capital improvements.

4. Mike Middleton submitted a written report on the recent NRC inspection and NRSC meeting. (copies attached). A discussion was held concerning the gasket replacement and other maintenance.

5. Search for new NRSC member with nuclear engineering experience. Linus Kelly was recommended by the NRSC for appointment to the NRSC based on his nuclear engineering education and experience. Dr. Gromet moved to approve the appointment. Dr. Kadak seconded it. The motion passed unanimously.

6. Jeff Davis submitted a written report on the July Emergency Drill (copy attached). A discussion was held on the drill and emergency plan. RINSC committed to completing revisions to the emergency plan by the end of the year.

7. Mike Middleton discussed new training initiatives. It was suggested that Mike contact MIT and Lowell university reactor operators since they have formal training programs and curricula that might be useful

for training RI reactor operators.

8. Facility Utilization. Dr. Tehan reported on the progress of Dr. Otts' filter project and the RIEDC Grant. He also discussed Dr. Leith's new initiatives. Mike Middleton reported on neutron scattering and other research upgrades. The general suggestion by the Commission is that these researchers link with local university students to conduct and carry on this type of research in the future.

9. Old Business

An extensive discussion took place on ways to increase reactor utilization:

M. Middleton discussed the requirement to report reactor utilization to the state of RI each year and last year's number was around 30%.

A recommendation was made to create a draft of a short article on NAA to be submitted to Bahram Nassersharif at URI. The article will be published in the URI Engineering Magazine. M. Middleton, H. Bicehouse and Jeff Davis will draft this article.

A recommendation was made to modify the article on NAA and

submit to Stephen Mecca at PC. This article will be published in the Spectrum at PC. M. Middleton, H. Bicehouse and Jeff Davis will modify the URI article for use at PC.

T. Tehan discussed the marginal impact that the mass mailing of an introductory letter and brochure had on increasing utilization of the reactor and that RINSC is already working with RI Economic Development Corporation (RIEDC) to find possible collaborations with RI industry.

T. Tehan discussed the work he is doing with Dr. Leith in the area of Cancer Research. He stated that Dr. Leith is collaborating with Paul Willard of Brown University and Dr. Vittenberger of URI in applying for the RIEDC STAC grant, and their efforts to collaborate with the Albany Medical Center and companies associated with the Albany Medical Center on a collaborative effort toward producing a new radio-nuclide based product.

Jeff Davis submitted a comprehensive document on the possible uses of NAA. The document was well received. Jeff Davis will contact recipients of the directed mailing letter and brochure sent to researchers through New England as a follow-up and present the contents of this document.

Stephen Mecca suggested that invitations for visits and briefings be sent to targeted commercial industries and university faculty to

RINSC in Rhode Island and Connecticut.. Stephen Mecca suggested the possibility of having RIEDC be asked to support RINSC's effort to increase reactor utilization.

Andrew Kadak suggested that consideration should also be given to increase the educational role of the RINSC. Items that should be reviewed are taking some of the unused lab space and converting it into a classroom for lectures. In addition, distance learning capabilities should be explored with lectures and demonstrations given at the RINSC and televised over the internet to class rooms state wide

M. Middleton described RINSC's present support of two at URI for projects at RINSC. One student's project is to recalibrate the refurbished goniometer. The other student's project is to complete phase one of a computer automation of the reactor control system.

Stephen Mecca suggested extending exploratory "grants" to university faculty for projects at RINSC. T. Tehan stated that RINSC could supply some money to faculty based on the completion of projects that benefit RINSC and help to increase reactor utilization.

M. Middleton stated that in addition to exploratory grants, RINSC would be able to support projects through the purchase of needed equipment. RINSC purchased a Digital Spectrum Analyzer and used Reactor Sharing funds for staff assistance in support of the UNH atmospheric sampling project.

The meeting schedule was discussed and it was decided that the next meeting would be at 8:00 A.M. on Tuesday, 30 January 2007 at the R.I. Nuclear Science Center.

10. New Business

11. Adjournment

Dr.Gromet made a motion and Dr. Nassersharif seconded a motion to adjourn which passed unanimously. The meeting adjourned at 10:15 AM.

Attachments to the 6 November 2006 RIAEC meeting minutes

1.

Preliminary Version- Pending Commission Approval

**Minutes of the Rhode Island Atomic Energy Commission Meeting,
12 July, 2006**

Dr. Mecca called the meeting of the Rhode Island Atomic Energy Commission to order at 8:04 AM. Present were Commissioners: Dr. Alfred Allen, Dr. Stephen Mecca, Dr. Andrew Kadak, Dr. L. Peter Gromet, and Dr. Bahram Nassersharif and staff Dr. Terry Tehan, Jeff Davis and Mike Middleton.

1. Minutes of the 4 April 2006 RIAEC Meeting.

Dr. Allen made a motion to accept the amended minutes (copy attached). Dr. Nassersharif seconded the motion. The minutes of the meeting were reviewed. A Motion to accept minutes passed unanimously.

2. Reactor Operator Qualification Progress Report. Mike Middleton submitted a written report on qualification status (memo attached).

3. Operating Budget/ Capital Budget. Dr. Tehan presented a written report on the budget (copy attached). Dr. Kadak moved to send Dr. Gromet's revised letter to the Governor. Dr Allen seconded it. The motion passed unanimously.

4. Grants. Dr Tehan submitted a written report on grant status (copy attached).

5. Search for new NRSC member with nuclear engineering experience. Dr. Gromet made a motion to amend the guidance to add a member and to find some one with nuclear experience. Dr. Kadak seconded the motion. It was passed unanimously.

6. Jeff Davis submitted a written report on the July Emergency Drill(copy attached).

7.Mike Middleton submitted a written report on new training initiatives (copy Attached).

8. The pool leak was discussed. While it was noted that the leak has been in place from the earliest days when the reactor was constructed, it would be valuable to have a model representing the extent of the leak as a function of environmental and operating conditions. It was offered that perhaps this could be an undergraduate senior project for an applied physics student.

9. Old Business

The meeting schedule was discussed and it was decided that the next meeting would be at 8:00 A.M. Wednesday 27 September 2006 at the R.I. Nuclear Science Center.

10. New Business

A discussion was held on priorities for facility utilization. ..The Commission requested that the leadership team draft utilization opportunities and options that could analyzed and prioritized with the Commission during the ensuing year.

11. Old Business

A discussion was held regarding experimental loading of incore devices and sending the NRSC meeting minutes to the commission. The status of the MCNP program was discussed.

11. Adjournment

Dr. Kadak made a motion and Dr. Allen seconded a motion to adjourn which passed unanimously. The meeting adjourned at 10:56 AM.

Attachment 1

Revised Minutes of 4 April 2006 RIAEC Meeting

Minutes of the Rhode Island Atomic Energy Commission Meeting, 4 April, 2006

Dr. Mecca called the meeting of the Rhode Island Atomic Energy Commission to order at 7:45 AM. Present were Commissioners: Dr. Alfred Allen, Dr. Stephen Mecca, Dr. Andrew Kadak, Dr. L. Peter Gromet, and Dr. Bahram Nassersharif and staff Dr. Terry Tehan, Jeff Davis and Mike Middleton.

1. Minutes of the 12 September 2005 RIAEC Meeting.

Dr. Mecca made a motion to accept the minutes. Dr. Bahram Nassersharif seconded the motion. The minutes of the meeting were reviewed. A Motion to accept minutes passed unanimously.

2. Operations report. Mike Middleton left to attend computer training in Providence. He submitted a written report on reducing spurious scrams, equipment updates and increased facility utilization and

discussed the items with commissioners before the meeting. The board requested that an MCNP model be obtained to better understand the neutronic impact of experiments and detectors inserted into the core.

3. Budget. Dr. Tehan presented a report on the budget through March 30, 2006. Dr. Gromet moved to accept the budget. Dr Nassersharif seconded it. The motion passed unanimously. It was suggested that Dr. Tehan begin training someone who can handle budget preparations for the Center. In addition, given the potential staffing implications of the Governor's plans regarding sick and vacation time, the Commission requested that Dr. Tehan prepare a contingency plan for the reactor should the Governor's plans be implemented. The Commission would like to review this plan to determine the best course of action to keep the facility in operation.

4. Grants. Dr Tehan submitted a written report on grant status.

5. Administrative Procedure One for Radioactive Material License Amendment Changes/ Byproduct License Renewal-NRC Inspection Results. The report was reviewed. The board requested that the NRSC review the loading of in core devices in regard personnel qualifications (training and fitness), responsibilities (Ops or HP) and overall safety of the plank used to walk across the top of the pool to

determine whether reasonable alternatives exist. The board also requested a review of the liquid discharge cited by the NRC and other matters as contained in the NRC exit interview and final NRC report. The Commission would like to receive the minutes of the upcoming NRSC meeting.

6. Jeff Davis submitted a written report on EMT Training and Procedures updates.

7. The results of the NRC security inspection were discussed.

8. Dr. Nassersharif made a motion and Dr. Gromet seconded a motion to commend Dr. Robertshaw for his many years of service on the RINSC safety committees. The motion passed unanimously. A letter of appreciation was signed by all commissioners and it will be forwarded with the letter of appreciation from the governor. The Board approved Dr. John Breen of Providence College as his replacement. The board requested the director to research the appointment of someone with nuclear engineering expertise for appointment to the NRSC. Dr. Gromet made a motion which was seconded by Dr. Allen to approve Dr. Breen's appointment to the NRSC. The motion passed unanimously.

9. Old Business

The meeting schedule was discussed and it was decided that the next meeting would be at 8 AM, 6 November, 2006 at the R.I. Nuclear Science Center.

8. New Business

A discussion was held on ways to increase facility utilization. The Commission requested that a flyer be crafted to promote the capability of RINSC to the academic community and that a letter to chairs of every science and engineering department in the state's colleges and universities be drafted to accompany a set of flyers with a request that these be distributed to the science and engineering faculty. The Commission felt that it was important to increase university engagement with the reactor both in teaching and research. Continued dialogue with the RI Economic Development Commission was also encouraged.

9. Adjournment

Dr. Mecca made a motion and Dr. Nassersharif seconded a motion to

adjourn which passed unanimously. The meeting adjourned at 9:50 AM.

Attachment 2

From: Terry Tehan [ttehan@gso.uri.edu]

Sent: Thursday, November 02, 2006 8:14 AM

To: Stephen Mecca; Kadak@earthlink.net; BN@uri.edu;

L_Gromet@brown.edu;

Alfred.Allen@us.army.mil

Subject: Items for Monday meeting

1. Preliminary minutes attached

2. See NRSC meeting minutes- exams next Spring

3. Budget- as previously, we are now \$19,139 short this year rather than the original \$35,676. We gained \$19,139 and have a letter in requesting a revised budget that restores the entire amount (this is confidential budget officer recommendation). next year. For 2008 the budget office restores \$114,620 of the \$128,028 cut so we are \$14,408 short. The capital budget projects have all slipped a year.

Grants- We have received reactor instrumentation money for this year and are purchasing the Alpha beta counter. We have the floor monitors working from last years grant. We received \$37,000 from reactor sharing and Mike has spent \$22,000 on the rod control simulator. We have \$85,000 coming this year in INIE money. Next year

is still up in the air. I talked to John Guteridge at DOE. OMB has shut down the current university program and they are scrambling to find a new program that is research based. The NIH picture is not much better but our research area is getting funding and we intend to resubmit in March after the two papers are published.

4. Inspections/minutes-Mike

5 Search for new member- I am trying to get in touch with Linus Kelly. He is a nuclear engineer that Steve know- he is fine with the NRSC.

6. July emergency drill-see Jeff's emails. The training, tabletop exercise and unannounced drill were good training.

7.New training initiatives- Mike

8. Facility Utilization

A. Dr Ott's filter- I met with Dr. Ott and Dr. Glicksman of the Cancer Council to discuss progress and funding. the game plan agreed upon has Dr.Ott develop a business plan and Dr. Glicksman will help him find backers. Dr. Ott is to provide RINSC with the drawings and hire Sargent & Lundy to finish the design work so we can submit the package to the NRC for review. When doctor Ott gets funding, Dr Glicksman will help him get a certificate of need from the Health Department. Dr. Ott is 83. I give the project 50/50 chance.

B. RIEDC grant -We are waiting for Clyde Briant to issue the STAC

proposal. A chemistry professor has expressed interest in joining with Paul and John on this. In the mean time John has a project going with the University of Albany, The Cleveland Clinic, CLF Medical Technology Accelerator Program and Ordway research. To use our present Gd research and cell work with a product that they are developing. We had to sign a non-disclosures on this one.

C Neutron scattering upgrades- Mike

Attachment 3

From: Michael Middleton [mmiddleton@gso.uri.edu]

Sent: Friday, November 03, 2006 10:33 AM

To: Braham; L. Peter Gromet; Stephen Mecca; Andrew Kadak; Alfred RDECOM

Allen (PKI)

Cc: Terry Tehan

Subject: NRC Inspection

The NRC inspector was here for a semi annual inspection 10/31/06 to 11/2/06.

His primary focus was on Operations and Emergency Plan.

At the exit interview, the inspector indicated that there were no violations.

The inspector noted that a checklist of secondary maintenance had not been performed since the first of the year, and that the record for the maintenance had been maintained by filling in the check sheet with "N/A". He questioned the value of keeping this record. This surveillance item is not related to Tech Spec, but is included on the maintenance/surveillance schedule board. He plans to review this item next inspection period.

Although, there were no open items from the previous inspection, the inspector had a list of item to follow up on from the last inspecton. The last inspection was done by an different inspector. These items where, updated Emergency Contact List, Narragansett Fire Department Training, Contact of South County Hospital and revised Emergency Plan Implementing Procedures.

The inspector found that the Emergency Contact List was updated, NFD personnel had completed training and certain Emergency Plan Implementing Procedures had been revised. The inspector noted that contact with South County Hospital was not made. Terry explained that RI Hospital is the hospital that we have an agreement with to handle contaminated victims and that any non-Radiological injuries could be treated at South County Hospital without any prior arrangement.

During his visit, the results of our most recent pool inspection was discussed. The pool inspection identified the possibility that the seal gaskets for the inlet and outlet flow piping maybe degraded. The inspector suggested he would like to be present for any repair that takes place. After the pool inspection process, the staff began to gather information and facts. A meeting with the staff took place on 10/26/06 to discuss the problem and the areas of concern in replacing the gaskets.(see attached)

The staff has been tasked with gathering information in each of the areas of

concern. A follow up meeting has not been schedule to date.

Attachment 4

NUCLEAR AND RADIATION SAFETY SUB-COMMITTEE MINUTES

Meeting October 30, 2006

Meeting opened at 1:35 PM. Present: H. Knickle, M. Middleton, H. Bicehouse, and T. Tehan, Also present was J. Davis.

1. Approval of Meeting Minutes: Review of meeting minutes. Motion to approve the August 2, 2006 meeting minutes made by M. Middleton, seconded by H. Bicehouse. The motion passed unanimously.

2. M. Middleton requested a change to the Review Matrix, move 'Pool Inspection Records' review from third quarter to fourth quarter. H. Knickle approved revision.

J. Davis discussed the Glory Tube Gamma Irradiation Procedure App. AE, Rev 0. J. Davis addressed questions about the new procedure made by the subcommittee. Motion to accept App. AE Rev. 0 was made by M. Middleton, seconded by H. Bicehouse. The motion passed unanimously.

J. Davis submitted revised Form NSC-41, Unescorted Access List for approval. Robin and Jeanne will be given access to the security area. Motion to accept revised Form was made by H. Bicehouse, seconded by M. Middleton. The motion passed unanimously.

3. Review 10 CFR 50.59 Changes: There were no new changes considered possible 10 CFR 50.59 changes. M. Middleton discussed the upgrade of the stack and reactor floor air sampling equipment, this item does not require a Non -10CFR50.59 justification to be written. M. Middleton discussed the starting of a project to use factory automation equipment and software to computerize reactor control system. H. Knickle commented on the need for Calibration records for any changes during this project. This item will require a Non -10CFR50.59 justification to be written.

4. Review of experiments. M. Middleton discussed the authorized experimenters. Our newest researchers from GSO, Dr. Soffientino has not start working at RINSC since his approval. The approved New Facility Use Request Form was emailed to each committee member as requested.

5. Review of NRC Inspection Findings: M. Middleton stated that there has been no NRC inspection since last meeting and that the next NRC inspection is scheduled for 10/31/06.

6. Review Qualifications & Retention of Staff: The RINSC staffs' NRC license renewal dates were reviewed. M. Damato and B. MacGregor are preparing to take their RO and SRO license examination; presently classroom training is two hours per week. M. Middleton reported that the examinations have been pushed back to the spring because of a retirement and an illness of two examiners at the NRC.

7. Review NRSC Charter Changes: M. Middleton stated that there has been no change to the charter since last meeting. The NRSC discussed the resume of Linus Kelly and finds him acceptable. The NRSC recommends that the Commission approve Linus Kelly as a NRSC member.

8. Review Radiation Safety Records: The Committee reviewed all Radiation Safety Records required for the 3rd quarter of 2006 from the approved Radiation Safety Records Review Matrix. The following items were reviewed; Instrument Calibration, Stack Monitor Calibration, Main Floor Air Monitor and Sample Tracking. The Exhaust Hood Air Flow was not completed and will be moved back to 4th quarter. An instrument calibration spreadsheet was present and acknowledge by H. Knickle. H. Knickle noted that the Dosimeter Calibration record for Sept 2006 showed a column of 'failed' in the result for short exposure. H. Bicehouse stated that this was because a 'short exposure' was not done. This caused the spreadsheet to display 'failed', which should have been blank. H. Bicehouse to

investigate and correct spreadsheet.

9. Review Operations Records: The Committee reviewed all Operations Records required for the 4th quarter of 2006 from the approved Operations Records Review Matrix. The following items were reviewed; Evacuation System Check, Confinement System Check, Confinement System Air Flow, Iodine Filter Efficiency, Emergency Generator Test, Operator Requal, Annual Report to NRC, RAM Shipping Training, Beryllium Reflector N Fluence, Element Inspections, Shim Safety Blade Inspection, Shim Safety Blade Drop Times, Control Blade Reactivity Worths, Reactivity Insertion Rates, Core Excess and Shutdown Reactivity. Reactor Pool Inspection Records will be reviewed at the 4th quarter review. Comments from review, one Shutdown Check Sheet was not completed, and this problem was also identified last quarter. J. Davis will investigate and correct the reported discrepancies.

10. Old Business: J. Davis presented the emergency plan requirements as specified in 10 CFR 50.54q, Appendix E and Reg. Guide 2.6. The NRSC has requested J. Davis identify concerns in our present emergency plan that should be considered for revision. The NRSC will review each concern against the requirements of 10 CFR 50.54q. A revised emergency plan was previously requested before the next full committee meeting scheduled for the end of this year.

M. Middleton stated the OSHA approved bridge for the pool to replace

the existing plank is complete.

M. Middleton stated the new security camera surveillance system has been installed and is working, including remote access for the Narragansett Fire Dept. and the Narragansett Police Dept. The purchase order has been issued for the new alpha beta counter, delivery expected this year.

M. Middleton stated that last meeting minutes addressed the affects of incores on the Nuclear Instrumentation. J. Davis stated nothing new has been done on this project.

11. New Business: M. Middleton discussed two projects that are in process that involve two students from URI. The students will be working at RINSC as part of their Senior Project through the URI Physics Department under Dr. Nunes.

M. Middleton stated that we have a new NRC Inspector, Kevin Witt.

T. Tehan stated the need for a HP Emergency Call List. He also stated that last year during the holidays, there was a lack of coverage. The By-product license requires 24 hours per day coverage in the event of an accident or other abnormal occurrence. H. Bicehouse stated the Emergency (Staff) Call List for the facility is adequate to meet the requirements. T. Tehan stated the Emergency (Staff) Call List is for Facility Security Issues and is not adequate as a HP Emergency Call

List. The Chairman stated that 2 people are not enough to support an emergency call list and that the RSO needs to have a list and qualify more people. The Chairman stated that the RSO needs to have a program to qualify these people. No action was taken on this item.

12. Adjournment: 3:02 PM, M. Middleton moved that the meeting be adjourned, seconded by H. Knickle. The motion passed unanimously.

Attachment 5

2006 Emergency Drill

1. History

Since September 11, 2001 the overarching goal of the annual RINSC Emergency Drill has been to develop coordination between RINSC and all of the outside emergency support agencies. As a result of the 2002 Emergency Drill, RINSC relocated its evacuation site to a location that would not be affected by the bomb threat scenario that

NRC used for developing research reactor security measures. The 2003 Emergency Drill was an unannounced test of the RINSC Evacuation Plan. The 2005 Emergency Drill provided coordination between RINSC's emergency response, and the Narragansett Fire Department response. Additionally, the Narragansett Medical Rescue, and the Rhode Island Hospital reviewed how they would deal with a contaminated victim that needed transport to the hospital for treatment.

2. 2006 Emergency Drill Scenario

The emergency scenario for the 2006 Emergency Drill was a bomb threat in which someone called RINSC to inform us that there was a bomb in the facility. The purpose of this drill was:

A. to re-familiarize the Narragansett Police Department with the facility,

B. to familiarize the RI Hazardous Devices Squad with the facility,

C. to make sure that the Narragansett Police and the RI Hazardous Devices Squad are aware of what RINSC's response will be in the event of a bomb threat, and to make sure that our response is coordinated with their agency responses,

D. to discuss what is needed for evacuating other buildings on the

Bay Campus if necessary,

E. to determine how the surrounding area would be secured,

F. to offer radiation safety training, and

G. to discuss the possibility of sharing remote access to the RINSC security cameras with their respective agencies.

3. 23 August 2006 Table Top Drill

The Emergency Drill consisted of a meeting on 23 August 2006 between the following individuals :

Terry Tehan, RINSC Director

Michael Middleton, RINSC Assistant Director for Nuclear Operations

Michael J. Davis, RINSC Reactor Supervisor

Dennis Brod, URI Bay Campus Security (GSO Security)

Kimberly Hill, Narragansett Police Department (NPD)

**Thomas Groff, RI State Fire Marshal – Hazardous Devises Division
(Bomb Squad)**

The non-RINSC affiliated individuals were given a tour of the facility

to familiarize them with the layout, and to make them generally aware of chemical and RAM storage locations. The following things were established :

A. If there were a bomb threat at RINSC, the bomb squad would come to the facility with a dog and a technician to do a search.

B. The Hazardous Devises Technicians have radiation safety training as part of their background.

C. If there were a bomb threat, the RINSC staff should do a quick sweep of the facility to see if there appears to be anything out of place so that if there is, the bomb squad can start their search at those locations.

D. The RINSC staff should try to classify the magnitude of the threat for the bomb squad as follows :

1. Low – The only evidence of a threat is that someone has communicated it to us.

2. Medium – There is a suspicious item in the facility.

3. High – There is a suspicious vehicle near the facility.

E. RINSC's general response to a bomb threat would be to evacuate the building, meet at the evacuation site, and activate the RINSC Emergency Plan. A RINSC representative would be sent to the GSO

Campus entrance to assist and coordinate with the emergency responders.

F. The mechanism for evacuating the buildings near RINSC, or if need be, the entire GSO Campus needs improvement. A preferable evacuation system would have the capability to evacuate campus buildings on a building by building basis, in addition to being able to initiate a campus wide evacuation.

G. If 911 or the NPD are notified, the entire emergency communications network will be started, including URIPD, GSO Security, and the RI State Fire Marshal – Hazardous Devises Division.

H. The perimeter of the evacuation should be determined by the magnitude of the threat :

1. If the magnitude of the threat is low, then the perimeter should be 300 feet from the building.

2. If the threat is medium or high, a Bay Campus evacuation is warranted, and South Ferry Road would be closed. It was noted that a weakness that the campus has from the standpoint of emergency access / evacuation, is that there is only one entrance / exit, which would lead to a bottleneck problem in the event of a serious emergency.

I. The evacuation perimeter would be secured by URIPD and NPD with whatever manpower they have available.

J. The Knox box has a complete set of access keys to the facility. If needed, NPD is able to get the Knox box key from the NFD so that the bomb squad or any other emergency responders would have access to the facility in the event that a RINSC representative was not present.

K. Cell phones should not be used within 300 feet of the facility because they have the potential to set off an explosive device.

L. RINSC is in the process of installing a security camera system that records and stores activity for up to a week. This system is accessible via the internet if certain security conditions are met, and GSO Security, URIPD, and NPD could be set up to have access.

M. RINSC could reduce the risk of having someone plant a bomb near the secondary cooling system by doing some landscaping on that side of the facility.

N. There are a number of things that RINSC could do to improve its readiness for a fire emergency :

1. Landscape the area where the rear fire hose hook-up is located so that it is more accessible.

2. Lock out the sprinkler system standpipe.

3. Flush and lubricate the sprinkler system main valve.

4. Test the fire hose in the confinement room.

4. Action Items:

A. Revise the EIPs to reflect the fact that the RINSC staff should do a general sweep of the facility in the event of a bomb threat, to see if there is anything out of place.

B. Revise the EIPs to reflect the fact that a bomb threat should be classified as a low, medium, or high threat, depending upon the level of evidence and the potential size of the bomb.

C. Work with the GSO administration to establish a suitable PA system for the campus.

D. Determine what RINSC will do to establish the appropriate perimeter around the facility, until the URIPD and / or the NPD arrive.

E. Revise the EIPs to reflect the fact that cell phones should not be used within 300 feet of the facility in the event of a bomb threat.

F. Work with GSO Security, URIPD, and NPD to set up access to the RINSC security cameras.

G. Landscape the area around the secondary cooling system.

H. Landscape the area where the rear fire hose hook-up is located so that it is more accessible.

I. Lock out the sprinkler system standpipe.

J. Flush and lubricate the sprinkler system main valve.

K. Test the fire hose in the confinement room.

5. 27 September 2006 Staff Meeting

The staff met and discussed the information established in the 26 August 2006 meeting. The main theme was that in the event of a bomb threat, RINSC would activate it's evacuation plan. Filling out the Bomb Threat Checklist and doing a facility sweep to look for things that are out of place would be secondary considerations. An additional action item should be :

A. Check to make sure that all of the phones have a Bomb Threat Checklist next to them.

6. 5 October 2006 Evacuation Drill

A package labeled “Suspicious” was placed near the front door, and the evacuation alarm was sounded. The following actions occurred :

A. The staff evacuated the facility and met at the evacuation site, in accordance with procedure.

B. J. Craik brought the Check In Board and the Visitor’s Logbook, and J. Davis brought the Confinement Check In Board.

C. T. Tehan noticed the “suspicious” package on his way out of the facility.

D. At the evacuation site, J. Davis informed the staff that RINSC had received a bomb threat.

E. T. Tehan called 911 to alert the bomb squad, and informed them about the suspicious package near the front door.

F. The staff was accounted for, and a sentry was sent to meet the offsite emergency responders.

G. The staff was re-acquainted with the location of the emergency key lock box and it’s combination.

H. D. Johnson returned from URI Main Campus to find the building

evacuated with no indication that an emergency was in progress.

As a result of item H, the staff agreed that we need to have pre-prepared notices located near the exits, that can be easily attached to the outsides of the doors to inform people that an emergency is in progress, and that they should not enter the building.