



HOTLINE

PRINCETON PLASMA PHYSICS LABORATORY

Vol. 1, No. 5

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ENERGY CONSERVATION MANDATE

*PPL Director Mel Gottlieb
has issued this special
directive concerning energy
use at the Laboratory.*

We are all well aware of the severe impact that spiraling energy costs are having on the Federal budget. By Presidential Directive, all Federal Agencies and supporting contractors, including PPL, have been operating under special energy conservation restrictions. Under this program, each activity must reduce total energy consumption by 5% and gasoline by 10%, compared to the preceeding year. This reduction is absolute. We do not get any exemption for growth or to support new facilities. As a result of many energy conservation measures, mild weather, and an obliging schedule on the machines, PPL has been achieving these goals. Hopefully, this has been done with minimal adverse impact on our operations, but with an overall sense of sacrifice by all of us. (Sweaters are "in".)

This added emphasis on energy conservation is a major thrust of the Department of Energy with Under Secretary John Deutch personally responsible for the DOE contractors' conservation program. A specific amendment to our DOE contract is being imposed mandating energy conservation goals.

Apparently in the light of recent national and international developments, (we can all speculate) the program has been recently modified to require that in addition to the previously mentioned annual goals, we reduce energy consumption during March, 1980 by 5% over March, 1979. This prevents us from applying savings from earlier months this year to our March consumption.

These latest goals have "no waiver" provisions, and specifically require a shutdown of operations if that is what is needed to stay within the allocations. Some additional tightening-up will be needed for PPL to meet these goals. As of the 12th of the month, we were running about 6% over our allowable allocation. However, with reasonable weather for the balance of the month, and with a concerted effort to save, we should be able to meet our target without interrupting operations.

Effective at once, for the month of March, I have asked that the following actions be taken:

- All heating will be shut off each night at 10:00 P.M., and turned on at approximately 6:00 A.M.
- Heat will be shut off weekends from approximately 12:00 P.M., Saturday, to 6:00 A.M., Monday.
- An electrician will shut off heat in Modules, Buildings 1-O, 1-R, 1-P, and other electrically heated spaces from 4:00 P.M., Friday to 6:00 A.M., Monday.
- PPL supply voltage will be dropped from $117 \pm 5V$ to $114 \pm 4V$.
- Daily readings of fuel and electric consumption will be taken so that we can monitor our use, and take whatever additional steps may be needed to assure that we can meet our targets. *cont. on pg. 2*

Mandate *cont. from pg. 1*

If all of us can save just 10% of our present energy consumption for the next 2-1/2 weeks, we will not have to resort to any more drastic actions. Turn off the lights; turn down any space heaters; tell plant maintenance (ext. 3092) if you know of any situations that are wasting energy; tell Connie Stout, (ext.3378) or Bob Smart, (ext.2652) if you have any suggestions for steps that we could take

right now to save energy. I am asking that everyone in the Lab cooperate in this effort. We will have no choice but to reduce operations if we do not cut back our energy consumption.

As further information becomes available, I will keep you advised of our progress. Thank you for your help.

Caution Urged With Carcinogens

The Occupational Safety and Health Administration (OSHA) has compiled a list of 19 substances legally classified as carcinogens. These substances include 2-Acetylaminofluorene; Acrylonitrile; 4-Aminodiphenyl; Arsenic and all its inorganic compounds except arsine; Benzidine; bis-Chloromethyl Ether; the benzene soluble fraction of coke oven emissions; Dibromochloropropane; 3,3'-Dichlorobenzidine and its salts; 4-Dimethylaminoazobenzene; Ethyleneimine; Methyl Chloromethyl Ether; 4,4-Methylene bis(2-chloroaniline); Alpha-Naphthylamine; Beta-Naphthylamine; 4-Nitrobiphenyl; N-Nitrosodimethylamine; Beta-Propiolactone; and Vinyl Chloride monomer.

Benzene has yet to be added to the list, since standards regulating its use are presently tied up in litigation. It should, however, be treated as if it were part of the listing.

Phenyl Beta-Naphthylamine and 2-Nitronaphthalene, although not regulated as carcinogens, are metabolized to Beta-Naphthylamine in man.

Since these materials require special handling, storage and disposal techniques, their presence on campus should be brought to the attention of Ray Jeanes in the Health and Safety Office (ext. 2532). Regulations pertaining to these chemicals are available at the Health and Safety Office.

Basketball Registration

Applications are still being accepted for the Men's Competitive Basketball League now being formed.

The league is open to all employees of the University or PPL. Anyone interested in joining the league should contact Dennis Williams at 2-3208 and leave your name and number.

Softball Sign-ups Open

Registration is now open for PPL's women's softball team. Female employees interested in participating should contact Joanne Savino at ext. 3005. Teams and playing sites will be announced at a future date.

No Complaints on Complaint System

The Complaint System has been in effect for one year. To date, approximately 74 complaints have been received, ranging in topic from snow days to promotions, supervisors, job posting and so on. The system is being used, and is working well as a means of resolving the complaints of PPL employees. The process benefits the Laboratory by keeping communication channels open, helping to resolve conflicts and misunderstandings, and showing the employee that legitimate complaints will be recognized and rectified in accordance with Lab policy and procedures.

cont. on pg. 3

No Complaints *cont. from pg. 2*

To use the Complaint System effectively, an employee should first discuss the problem with his or her supervisor. If not satisfied with the outcome of this discussion or if the employee feels that such a discussion would not be tactful or appropriate, he or she should then contact Sandy Birchmeyer, Manager of Employee Relations.

The Employee Relations Department wishes to thank the many employees and supervisors who have used the Complaint System toward the best interests of the Laboratory.

DOT Proposes New Bus Routes

Bus transportation from Trenton and Princeton to the Penns Neck area is currently under consideration by the New Jersey Department of Transportation. One proposal would establish a bus run from the Princeton Shopping Center to the Penns Neck Area, while a second proposal would provide service from the West Trenton Fire House area to Penns Neck. Once the proposals receive DOT approval, Mercer Metro will work out the exact routes.

Those wishing to support such a service should contact:

*Mr. Benjamin Feigenblum, Director
Division of Bus Transportation Management
New Jersey Department of Transportation
1035 Parkway Avenue
Trenton, New Jersey 08625*

Histories Available

Dr. Earl Tanner's second book on the history of PPL, "The Model C Decade", is now available from the Publications and Reports Office. Dr. Tanner's first book, "Project Matterhorn", has also been reprinted.

Copies of either volume may be obtained at Room M-165 at C-Site, Module 2 or by calling Sara Paterson at ext. 2662.

Symposium Scheduled

The fifth **Fusion Technology Symposium** will be held Thursday, March 27, at 4 p.m. in Sayre Hall auditorium. Roy Little, TFM project manager, will speak on the TFM project.

Security Measures Outlined

Responding to an increased concern for security by PPL supervisors, the Security Office has implemented a PPL security system.

Photo ID's have been issued and should be worn at all times in controlled areas. Identification is also required in all areas (both controlled and non-controlled) outside of normal working hours (Monday-Friday, 8 a.m.-5 p.m.).

Identification will be issued to visitors after hours, or when visiting controlled areas. Red cards will be issued if an escort is required; blue cards will indicate no escort is needed. Visitors to controlled areas will require an escort unless non-escort status is requested by a Division Head.

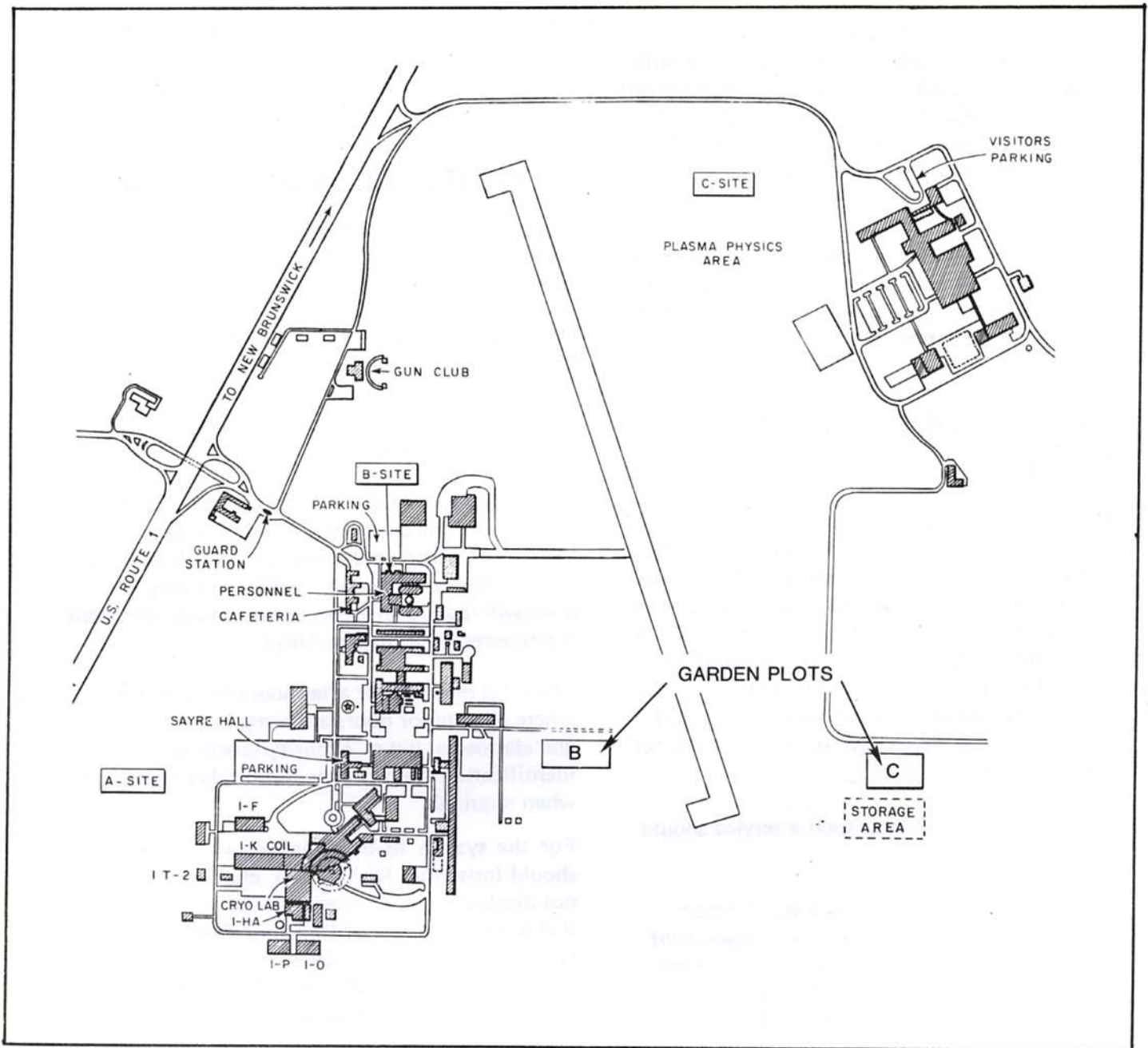
The ID is required for after-hours entry to C-Site, where all exterior doors are being locked at 5 p.m. and alarmed at 6 p.m. Security guards will ask for identification from anyone not displaying a badge when required.

For the system to be effective, all supervisors should insist that ID be worn, challenging those not displaying an ID when required. Any unidentified personnel in controlled areas should be reported to the Security Office immediately. After hours, unidentified personnel should be directed to the Security Desk (ext. 2536).

Input and suggestions for improved security should be submitted to the Security Office (ext. 7-2-6688). The location and accessibility of controlled areas will be distributed by the Security Office in the near future.

The PPL Hotline is issued by the Princeton University Plasma Physics Laboratory, a research facility supported by the U.S. Department of Energy. Correspondence should be directed to PPL Communications Office, Aero Lab, James Forrestal Campus.

Time to Plot a Garden



GARDEN PLOT REGISTRATION

Garden plots are again available to Forrestal Campus employees this year. The A-B and C-Site locations (indicated on the map above) are the same as last year.

Prospective farmers should complete and submit the form printed below to Administrative Services, Module 2. Further information is available by calling ext. 2655.

Name _____

Extension _____ Building _____ Site _____

Previous Lot Used No. _____ Newcomer _____