

I-61-6

61 # 6

BC-121

Revised 10-81

# REPORT OF EXTRAORDINARY OCCURRENCE

Commonwealth of Pennsylvania: Bureau of Correction

DOCKETED

## Instructions:

'87 FEB -5 P4:16

1. Reports must be made on each extraordinary occurrence or incident affecting inmates, staff or property under the jurisdiction of the Bureau of Correction.
2. Mail original copy of this report within forty-eight hours of occurrence to Office of the Commissioner of Correction. This report does not preclude established telephone/teletype reporting procedures.
3. Attach additional supporting documents as necessary.
4. Use additional sheets if necessary, with each section referencing the appropriate item no.

## Type of Extraordinary Occurrence (Check applicable block or blocks)

- ☐ Escape or Attempt      ☐ Homicide      ☐ Riot or Destructive Rebellion      ☐ Hunger Strike  
☐ Suicide or Attempt      ☐ Death (other than Suicide)      ☐ Serious Injury to Inmate or Staff      ☐ Fire  
☐ Serious Assault  
☒ Other (Specify) POWER OUTAGE

 Reporting Facility  
S.C.I.G.

 Report No.  
86-10-01

Date of Occurrence of Incident

JANUARY 26, 1986

Time

0712 hrs.

Institutional Area

TOTAL AREA AT S.C.I.G.

| Name(s) of inmate(s) involved in Extraordinary Occurrence | BC Number | Age | Date Admitted | Offense of Charge | Sentence or Detention Status |
|---|-----------|-----|---------------|-------------------|------------------------------|
|   |           |     |               |                   |                              |
|   |           |     |               |                   |                              |
|   |           |     |               |                   |                              |
|   |           |     |               |                   |                              |
|   |           |     |               |                   |                              |

## If Extraordinary Occurrence is a Natural Death Report the Following:

- |  |   |
|--|---|
| A. Official Cause of Death   | B. Name of Examining Physician  |
| C. Did Deceased Exhibit Signs of Illness Prior to Death:<br><input type="checkbox"/> YES <input type="checkbox"/> NO | D. Was Deceased Examined by Physician Prior to Death:<br><input type="checkbox"/> YES <input type="checkbox"/> NO |
| E. If so, How Long Prior to Death  | F. Name of Examining Physician  |

1. Injuries or damages resulting from extraordinary occurrence

NONE

 8702090420 860922  
 PDR ADOCK 05000352  
 G PDR
☐ See supplemental sheets.

2. Action(s) taken as a result of this extraordinary occurrence

EMERGENCY PLAN IMPLIMENTED. ALL APPROPRIATE STAFF, MR. HEEBNER, MR. THRASH, MR. FIC...

NOTIFIED. ALL INMATE MOVEMENT STOPPED, INMATES REMAINED ON BLOCKS AND WILL DO SO UNTIL

☐ See supplemental sheets. FURTHER NOTICE.

NUCLEAR REGULATORY COMMISSION  
Docket No. 50-352,353 Phil ✓  
Official Exp. No. 8 Dec 80 ✓  
In the matter of Phil ✓  
IDENTIFIED ✓  
RECEIVED ✓  
REJECTED ✓  
Staff ✓  
Applicant ✓  
DATE 9-22-86  
Witness Tim Newman  
Contractor ✓  
Inspector ✓  
Agent ✓  
Reporter ✓  
D. Hoffmann

3. Describe the extraordinary occurrence, in detail.

(#750 and # 342 remote) were out because back up power did not work. I dispatched Lt. Croll to man the emergency phones in the administrative area and ordered mobile units be dispatched from the Front Gate Control for communication. Mr. Heebner arrived at 0805 hrs. and restored partial power at 0917 hrs. but the kitchen, cell lights, and major areas where inmate movement would be was still out. I ordered inmate movement stopped and all inmates to remain on the blocks.

☐ See supplemental sheets.

4. Personal evaluations, comments and/or recommendations, if any.

We had the Emergency Plan in effect, but with some problems with the emergency numbers (see Lt Croll's memo) was not in working order. Back up battery in the Control Center did not work, battery should be changed or re-charged.

☐ See supplemental sheets.

Is this related to a previous "extraordinary occurrence"? If so, given date and number.

☒ No ☐ Yes Date \_\_\_\_\_ Number \_\_\_\_\_

I am submitting this report with full knowledge of its transaction:

|  |  |                          |
|--|--|--------------------------|
| Typed name and title of reporting official<br>R.C. WILLIAMS, JR. COIV              | Signature<br><i>R.C. Williams</i>      | Date<br>JANUARY 26, 1986 |
| Typed name and title of official in charge<br>Charles H. Zimmerman, Superintendent | Signature<br><i>D.H. Zimmerman</i> For | Date<br>January 28, 1986 |



DEPARTMENT OF CORRECTIONS EMPLOYEE  
REPORT OF EXTRAORDINARY OCCURRENCE

To: DEPT VAUGHN Institution: S.C.I.G.  
From: R.G. TERRA Date: JANUARY 26, 1986  
Title: COIII Time: 0712 hrs  
Date: JANUARY 26, 1986 Area: ENTIRE INSTITUTION  
Signature: [Signature] Occurrence: POWER OUTAGE

Inmates Involved:Name & EC No.NONEStaff Involved:Name & TitleWitnesses:Actions Taken:EMERGENCY PLAN IMPLIMENTEDALL PERTINENT PERSONNEL NOTIFIEDDescription of Incident, in detail: (Use other side if necessary):

At approximately 0712 hrs there was a total power outage in the institution. At  
0717 hrs partial power was restored but was lost again at 0729 hrs. Lt Smith and  
myself made an inspection of the institution cell blocks and kitchen area. All  
areas were secured and movement was curtailed. The following is a list of  
discrepancies noted during this inspection:

Main Kitchen area there is only one set of emergency lights working.  
These lights are located on the far wall and shed only minimal light in

this area. There should be at least one or two more sets of lights in this  
area.

D-Block Kitchen corridor light (emergency) not working

Dining hall lights on back wall at kitchen corridor wall on  
inside of dining hall not working.

(CONT. ON BACK)



CONT.

A-Block Dining hall rear emergency lights not working.  
There is no emergency light in kitchen corridor in rear of  
A-Block nor is there any in this area.

Control Center Emergency battery power pack for stations,  
#342 remote, #750 not working. There was no communications  
available through these units.

BUREAU OF CORRECTION EMPLOYEE  
REPORT OF EXTRAORDINARY OCCURRENCE

To: Dept. Supt. D. Vaughn  
From: A. L. Smith  
Title: Captain  
Date: January 26, 1986  
Signature: *Capt. A. L. Smith*

Institution: SCI-Grateriord  
Date: January 26, 1986  
Time: 1515 hours  
Area: Entire Institution  
Occurrence: Loss of Electrical Power

Inmates Involved:  
Name & BC No.

Staff Involved:  
Name & Title

Witnesses:

\_\_\_\_\_  
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## Actions Taken:

Notified Bureau Duty Officer at 1600 hours.

## Description of Incident, in detail: (Use other side if necessary):


At approximately 1515 hours this date, power was restored to the entire institution. Population  
count was cleared at 1630 hours and the evening meal was served without any problems. The  
evening activities were curtailed with the exception of visits, dispensary passes and/or  
medical emergencies. Block officers were instructed that if the power should go off again, to  
secure the block as quick as possible because the emergency light batteries will not be fully  
charged and will illuminate only for a short period of time. As of 2200 hours no further  
incidents arose.

SUBJECT: EMERGENCY PHONES

1/26/86

TO: DEPT.VAUGHN, DEPT.STACHELEK, MAJOR WINDER, MR.LUCASH, FILE

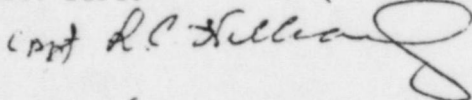
FROM:

  
LT.C.CROLL

DURING THE POWER FAILURE AT APPROXIMATELY 0712 HOURS THIS DATE I WAS DISPATCHED BY CAPT. WILLIAMS TO SET UP THE EMERGENCY PHONES IN THE ADMINISTRATION AREA. AS IN THE PAST DEPT.VAUGHN'S AND MR. LUCASH'S OFFICES WERE OPENED. NO CALLS WERE RECEIVED ON THESE PHONES BUT TWO OTHER PHONES WERE HEARD RINGING. THEY WERE TRACED TO THE TWO PHONES WHICH NOW GO ON LINE DURING POWER FAILURES. THE PHONE ON THE DESK OF THE SWITCHBOARD (340) IN THE BUSINESS OFFICE AND DEPT.SUPT.STACHELEK'S PHONE IN HIS OFFICE (325).

NOTE: THE EMERGENCY NUMBER TO REPORT POWER OUTAGES IS NOW 272-5030,  
PHILADELPHIA ELECTRIC.

CC: SUPT.





COMMONWEALTH OF PENNSYLVANIA

FEBRUARY 3, 1986

*Incident file*  
SUBJECT: POWER OUTAGE:

TO: Mt. J.W. Thrash, I.M.S.

FROM: *W.R. Heebner*  
Mr. W.R. Heebner, U.P.S.

On January 26, 1986, at approximately 07:50 hours I received a call from the institution informing me there was a total power outage at the institution. I arrived at the institution at approx. 08:00 hrs. Mr. Thrash was at the institution.

Office Ortlep informed me that a Philadelphia Electric was contacted and would send a man up to assist us if needed, at approx. 08:15 hrs.

I arrived at the Powerhouse to find the emergency Generator running and the Powerhouse was energized. The main steam was at 60 P.S.I.G. when the power failure occurred the firemen were dumping #3 and #6 Boiler. There was not enough steam to run the Generator to 3600 R.P.M., after assessing the situation, I ordered Powerplant staff to secure the steam to C.I., Hot water Heaters, heating system and the new Powerplant. I ordered the backs of #4 and #5 boilers dumped.

The steam pressure rose to 175 P.S.I., bringing the Turbine Generator up to speed. I then energized distribution panels #4, #5 and #8 returning Power to the control Center, disposal and the outside well #9.

At this time I proceeded to the substation where I found new Power to the circuit Breakers. I then returned to the Powerhouse, Mr. Finn was in route, also Mr. Nonnemacher.

At approx 09:30 Mr. Finn arrived at the Powerplant then departed to the substation with Mr. Thrash, and Mr. Nonnemacher. At 15:30 hours Mr. Finn contacted the Powerhouse and informed me that P.E. was restored. I checked the meter and found that all P.E. meters were not showing proper current. At 15:40 hours after the situation was assessed the Generator was secured and Philadelphia Electric was engaged. The institution power was restored at approx 15:50 hours. I departed the institution at approx 16:00 hours.

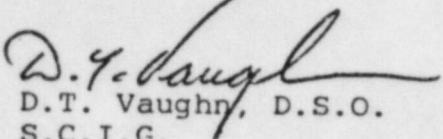
cc: Supt. Zimmerman  
Dep. Supt. Vaughn  
Mr. Lucash  
Mr. F. Exley,  
Mr. L. Finn  
file/

COMMONWEALTH OF PENNSYLVANIA

March 14, 1986

SUBJECT: POWER OUTAGE (1-26-86)

TO: Superintendent Zimmerman

FROM:   
D.T. Vaughn, D.S.O.  
S.C.I.G.

1. Why did it take 8 hours to get full power back To the Institution?
1. The location of the problem was investigated by P. E. C. O., Carr & Duff Company and Institution personnel. Process of elimination was used to locate the fault. When Mr. Finn the electrician arrived at the Institution to try and determine the source of the problem, he was filled in by Mr. Heebner who had already arrived and had assessed the situation. It had been determined at that point they had lost P.E. and the Institution was operating on the emergency generators. Mr. Finn then started checking the switch-gears to try and ascertain the source of the problem. Mr. Finn felt that he needed help from P.E. because both he and Mr. Thrash recognized that this could be a problem where P.E. could be of help. When P.E. representatives arrived and after testing the incoming line they also assisted in trying to determine where the fault was. The P.E. representatives had to leave the Institution because they were called to another emergency. It was determined that due to the high voltage current 33, 000 that Mr. Finn should have some assistance when dealing with the problem that had been located at this point. At this time Superintendent Zimmerman had given Mr. Thrash permission to call the Carr & Duff Electrical Contractor to assist the Institution in making the necessary repairs to bring the power back on line. The failure appeared to have been caused by a short between two of the incoming 33,000 volt lines. This could have been caused by dirty insulators and bussbars, or by tree branches causing a short. This problem was not within the compounds of the Institution. It was located close to Route 29, past the Superintendent's house.



POWER OUTAGE - 1/26/86

This can be summarized in a paragraph but due to the technological electrical setup that we have here at Graterford, it took time to locate the problem. Again, I must say that the process of elimination was used to determine the source of the problem.

2. Why weren't all emergency lights in operating condition? What type of system has been set up to check on the emergency lighting?
2. The reports submitted to the Department indicated that there were lights that were not working during the time of the emergency situation. In checking, I find that the reasons that the lights were not on was because there was not a total blackout of the Institution. When the emergency generator was activated some lights in some areas came on, therefore, the emergency lights that are connected to that circuit would not come on. Areas in question, A-Block Dining Hall (rear emergency light) D-Block Kitchen corridor lights. These lights work off the system connecting to the blocks. The emergency generators had placed power back into certain areas so therefore any lights connected to the emergency system, for those blocks would not come on. In checking all the emergency lights in the Institution I have found that there was only one that was inoperable. That light was located in the Hospital area. Further investigation in checking with Mr. Finn, Electrician, he was aware that the light in the Hospital was inoperable. Circuit boards and batteries had been ordered for the necessary repairs that had not been received at this point.
- 2a. Our emergency department makes a monthly check on all emergency lighting.
3. What was the effect of this power outage on the dairy? Is there an emergency plan for the dairy in case of power failure?
3. The financial loss of the dairy on this date due to the fact that the milk that was in the processing cycle was lost came to the amount of \$391.90.

Attached you will find the Emergency Plan for the Dairy in case of another power outage.

DTV/ljb

cc: INCIDENT FILE 1/16/86



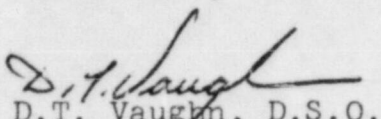
COMMONWEALTH OF PENNSYLVANIA

February 25, 1986

SUBJECT: POWER OUTAGE 1-26-86

TO: Mr. Thrash, Maintenance Superintendent

FROM:

  
D.T. Vaughn, D.S.O.  
S.C.I.G.

Please provide a memo response to the following questions regarding the above subject incident:

1. Why did it take 8 hours to get full power back to the Institution?
2. Why weren't all emergency lights in operating condition?
3. What type of system has been set up to check the emergency lighting?
4. What was the effect of this power outage on the dairy?

Please provide these answers by Friday, February 28, 1986.

DTV/ljb

cc: PENDING

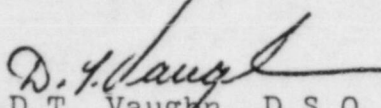
COMMONWEALTH OF PENNSYLVANIA

February 25, 1986

SUBJECT: POWER OUTAGE 1-26-86

TO: Mr. Mimmo, Industries Manager

FROM:

  
D.T. Vaughn, D.S.O.  
S.C.I.G.

Please provide a memo response to the following question regarding the above subject incident:

1. Is there an emergency plan for the dairy in case of a power failure?

Please provide this answer by Friday, February 28, 1986.

DTV/ljb

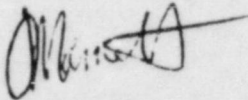
cc: PENDING:

*3-4-86 Called regarding same.  
Advised Mr. Steven of this.*

MARCH 7, 1986

SUBJECT: DAIRY EMERGENCY POWER PLAN

TO ALL FARM SUPERVISORS

FROM J.D. MAMETT, FARM MANAGER III  
CORRECTIONAL INDUSTRIES  
S.C.I.G.

IN THE EVENT OF A POWER FAILURE AT THE DAIRY FOLLOW THIS PROCEDURE:

- A) LOG TIME OFF
- B) CONTACT MAINTENANCE AND TRY TO DETERMINE ESTIMATED DOWN TIME AND OBTAIN INFORMATION IF POSSIBLE ON THE CAUSE OF THE PROBLEM, I.E...DOWN LINE, BLOWN TRANSFORMER ETC.
- C) CONTACT FARM MANAGER AND DAIRYMAN III; IF UNAVAILABLE, FOLLOW APPROPRIATE CHAIN OF COMMAND.
- D) IF THIS OCCURS AT THE BEGINNING OR DURING MILKING AFTER COMPLETING STEPS A,B, AND C; USE THE FIRST HALF( $\frac{1}{2}$ ) HOUR TO TRAIN YOUR WORKERS ON DUTY IN HAND MILKING.
- E) IF POWER IS PROJECTED TO BE OFF LONGER THAN ONE(1) HOUR, OR IS ACTUALLY OFF ONE(1) HOUR; BEGIN HAND MILKING COWS TO RELIEVE THEIR UDDERS. DO NOT TRY TO SAVE THE MILK.
- F) THE MOST AVAILABLE 200 AMP, 3 PHASE, 208 VOLT PORTABLE GENERATOR CAN BE DELIVERED IN APPROXIMATELY TWO(2) TO THREE(3) HOURS. THREE VENDORS WHO LEASE THESE GENERATORS ARE:

PENN DETRIOT DESIEL ALLISON (215) 944-0451

RTE 222 BOX 187

FLEETWOOD, PA. 19522

O'BRIEN MACHINERY CO. (215) 269-6600

20 GREEN STREET

DOWNINGTOWN, PA. 19335

MARTIN MACHINERY

(215) 445-4585

P.O. BOX 35

MARTINDALE, PA. 17549

THE FARM MANAGER OR THE NEXT AVAILABLE PERSON IN THE CHAIN OF COMMAND WILL ARRANGE DELIVERY. SINCE THIS IS AN EMERGENCY SITUATION WITH RARE INCIDENCE, PAPERWORK WILL FOLLOW.

CC: C. ZIMMERMAN, SUPERINTENDENT  
D. VAUGHN, DEPUTY SUPERINTENDENT OPERATIONS  
R. WILLIAMS, FARM COORDINATOR  
P. MIMMO, MANAGER CORRECTIONAL INDUSTRIES  
ALL FARM SUPERVISORS  
FILE: J.D.M./MT.



March 10, 1986

SUBJECT: Emergency Plan - Dairy

TO: Donald Vaughn, D.O.S.

FROM: *Peter Mimmo*  
Peter Mimmo, Industry Manager

I have reviewed the attached emergency plan submitted by Mr. Mamett concerning operations at the dairy in the event of a power failure at this institution. I feel this plan is feasible and I am submitting it for your review. An updated phone listing of all correctional industry employees has been distributed as of January 1, 1986. Additionally, Mr. Eric Sheib of Hecht Hardware in Royersford has been kind enough to give us a 24 hour number for emergency purchases such as was used for the kerosene heaters during our last power failure. Should you have any questions concerning this plan, do not hesitate contacting me.

cc: File

2/26/86

SUBJECT: ELECTRIC OFF AT THE C.I. DAIRY

MR. VAN HAN,

TO : J. MANETT, FARM MANAGER III

AS REQUESTED

FROM : S. KOPISTECKI, DAIRYMAN III

H. M. M. M.

On 1/26/86, the electric went off at the C.I. Dairy in the AM.

There were six hours of supervisor's overtime due to the electric being off on that date.

An estimate of the milk not received from cows in the AM. was approximately 1899.19 pounds at a cost of .21/Lb. for a total of \$391.90.

CC: FILE.

CC: Dep Vaughn

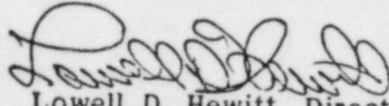
COMMONWEALTH OF PENNSYLVANIA  
Department of Corrections  
February 20, 1986

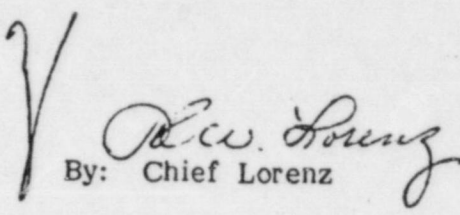
SUBJECT: Power Outage  
SCI-Graterford

Re: Extraordinary Occurrence  
Report #86-10-01  
Dated - January 26, 1986

TO: Supt. Zimmerman

FROM:

  
Lowell D. Hewitt, Director  
Operations Division

  
By: Chief Lorenz

Please provide a written response to the following questions regarding the power outage on January 26, 1986.

1. Why did it take 8 hours to get full power back to the institution?
2. Why weren't all emergency lights in operating condition?

What type of system has been set up to check the emergency lighting?

3. What was the effect of this power outage on the dairy? Is there an emergency plan for the dairy in case of a power failure?

RWL/lp

cc: Comm. Jeffes  
Chief Lorenz

RECEIVED

FEB 24 1986

GRATERFORD  
SUPERINTENDENT



Feb. 26, 1986

SUBJECT: POWER OUTAGE 1/26/86

TO: Donald T. Vaughn - Dep. Supt. ✓

FROM: *J. W. Thrash*  
J. W. Thrash - Maint. Supt.

Reference your memo of Feb. 25, 1986 on above subject.

I submit the following response to your query:

1. Location of problem was investigated by P.E.C.O., Carr and Duff Co., and institution personnel . Process of elimination was used to locate the fault.
2. All emergency lights were operating.
3. Our electrical department makes a monthly check on emergency lighting.
4. Personnel overtime \$90.00.

JWT/ems

cc: C. H. Zimmerman - Supt.

Mr. R. Lorenz - Chief-Maint./Constr.

File

*One hosp.*

*File*

SUBJECT: ELECTRIC POWER FAILURE

1/28/86

TO: Donald T. Vaughn Dep. Supt. ✓

FROM:

*J. W. Thrash*  
J.W. Thrash I.M.S.

Upon arrival at the institution on Sunday, 1/26/86, I was informed that there was a total electric failure.

I checked the meters and equipment in the Powerhouse, and was advised by Mr. Heebner that we lost P.E., and he was operating the emergency generator.

Mr. Finn arrived at about 0945, and after checking the switch-gear, again we proceeded outside to the substation.

I instructed Mr. Finn to contact P.E. and ask for their assistance. The P.E. representative arrived, and after testing the incoming line, stated we had power to the transformers, but were not getting power through the units. He indicated we apparently had a faulty transformer, and said we would have to isolate all three transformers and determine where the fault was located.

The representative then had to leave the institution for another emergency call.

Since we were dealing with 33,000 Volt current, I thought we should have a more experienced person to assist Mr. Finn.

I contacted Supt. Zimmerman and he gave permission to call Carr and Duff Electric Co. to assist us.

When the repairman arrived, he looked at the transformers and said they appeared to be O.K. Further checks were made on the incoming feeders, and two fuses across the Perkiomen Creek found to have blown.

The fuses were replaced, all outside lines and equipment were checked, and the power was turned on at the substation.

We then went to the Powerhouse, and Mr. Heebner said his meters indicated we did not have the voltage needed to operate the institution. Further checks and tests indicated the power appeared to be correct, but that the meters were out of calibration.

Full power was returned to the institution by 1600 hours.

The failure appears to have been caused by a short between two of the incoming 33,000 volt lines. This could have been caused by dirty insulators and buss bars, or by tree branches causing a short.

We will proceed to have the equipment cleaned when the weather permits, and our generators are in good operating order. Trees will be trimmed in the near future.

To prevent possible bodily injury or further equipment damage, I strongly urge that all Powerhouse meters be calibrated in the near future.

CC: Supt. Zimmerman  
Mr. Brubach  
Mr. Heebner  
Mr. Finn  
Mr. Lorenz  
File



March 5, 1986

SUBJECT: Emergency Procedure - Dairy  
Power Outage

TO: Jeff Mamett, Farm Manager

FROM: *Peter Mimmo*  
Peter Mimmo, Manager  
Correctional Industries

We have been granted an extension to submit our procedure by Friday, March 7, 1986. Please submit your basic procedure to my office by Friday Morning so that I may review and add information as needed.

Step one should include logging exact time of outage, all subsequent activity, as well as notification of superiors through the chain of command. This is a basic plan and should not entail a great deal of time. Thank you for your cooperation.

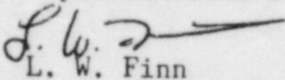
cc: Donald Vaughn, D. S. O.  
file

CC DEP. VAUGHN  
Supt. ZIMMERMAN

January 27, 1986

SUBJECT: MAJOR POWER FAILURE

TO: J. W. Thrash  
Institution Maintenance  
Superintendent-S.C.I.G.

FROM:   
L. W. Finn  
Correction Electric  
Trade Instructor  
S.C.I.G.

On January 26, 1986 at approximately 0845 I received a telephone call from the Institution stating they were experiencing a major power failure. At 0930 I arrived at the substation looking for Mr. Heebner, not finding him I entered the Institution at approximately 0945. I was informed Mr. Thrash and Mr. Heebner were waiting in the Powerhouse. After picking up my keys I went to the Powerhouse.

Upon entering the Powerhouse, Mr. Heebner informed me of the situation and what the Powerhouse was carrying with the emergency generator. I then checked the P.E. Meter (sometimes the Meter does not work properly) to make sure the power was out. I returned to the substation with Mr. Thrash and Mr. Nonamaker. I noticed the transformers were not humming like they were suppose to. I then contacted Mr. Heebner and requested he call P.E. to verify we had power coming to the Institution. I was informed P.E. showed no interruption in our line and that they were sending a field man to the Institution.

After P.E.'s field man arrived, I informed him of the situation. He tested our 33,000 volt feed line and stated we had power to the substation. After asking him why the transformers were not working he tested the primary and secondary lines. He informed me we had primary voltage to the transformer mains, but we were not getting any kind of secondary voltage from them. We concluded we had a damaged transformer and decided to test them to find a damaged one.

SUBJECT: MAJOR POWER FAILURE  
Page 11  
January 27, 1986

I informed Mr. Heebner of our findings and asked if he would have inmate W. Smith, H-9598 meet me at control. I went back inside the institution, picked up my tools and instructed inmate W. Smith, H-9598 to shut down the block cells so we could put power to the blocks.

When I went outside to test the transformers, I found the man from P.E. had been called to another job. I started setting up to do the work myself when Mr. Thrash instructed me to wait. An outside contractor was on his way to work with me and that I was not to do anything until he arrived.

A man from Carr and Duff arrived, I apprised him of the situation. We found line fuses on the other side of the Railroad bridge had blown. We then went back to the substation and informed Mr. Thrash of our findings.

After replacing two fuses we then checked all poles carrying our 33,000 volt line. We noticed insulators on the 33,000 and 2,400 volt lines should be replaced before we have further problems.

When we returned to the substation, we looked at the buss bars feeding the transformers. The man from Carr and Duff informed me that they should be cleaned, for that is what caused our power failure. The 33,000 volt line tracked across the highly corroded buss bars and shorted themselves out.

After cleaning up outside we went into the Institution to start putting the Institution back on the P.E. line. Upon entering the powerhouse Mr. Heebner stated we did not have the proper voltage to restore the Institution to P.E. The meter on the P.E. Panel was showing 1,200 volts on two of our lines and 2,400 on the third. After checking the incoming lines myself, I advised Mr. Heebner to pay no attention to the meter because it is not working properly. We dropped the generator from the line and put the Institution back on P.E. By 1600 we had the Institution back to total power.

With the meters on the switch gear not working properly it is hard to determine what is going on with the voltage. Someone is going to get hurt because of this situation. It has been asked to have someone in to calibrate all switch gear meters.

LWF/lwf

cc: File