

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

KENTUCKY UTILITIES COMPANY)	
)	
AND)	
)	
SOUTH CENTRAL RURAL TELEPHONE)	CASE NO.
COOPERATIVE CORPORATION)	90-257
)	
_____)	
)	
ALLEGED FAILURE TO COMPLY)	
WITH COMMISSION REGULATIONS)	

ORDER TO SHOW CAUSE

Kentucky Utilities Company ("KU"), a Kentucky corporation engaged in the distribution of electricity to the public for light, heat, power, and other uses, is a utility under the jurisdiction of the Commission. KRS 278.010(3)(a).

South Central Rural Telephone Cooperative Corporation ("South Central RTCC"), a Kentucky corporation formed under KRS 279.310 to 279.600 and engaged in the transmission over wire of messages by telephone for the public for compensation, is a utility under the jurisdiction of the Commission. KRS 278.010(3)(e) and KRS 279.540.

KRS 278.280(2) directs the Commission to prescribe rules and regulations for the performance of services by utilities. Pursuant to this statutory directive, the Commission promulgated Commission Regulation 807 KAR 5:041, Section 3, which requires electric utilities to maintain their plants in accordance with the

standards of the National Electrical Safety Code (1987 edition), and Commission Regulation 807 KAR 5:061, Section 3, which requires telephone utilities to do likewise. The Commission also promulgated Commission Regulation 807 KAR 5:006, Section 24, which requires any utility, other than a natural gas utility, to submit a summary written report of any utility-related accident resulting in a serious injury within seven days of that accident.

Commission Staff has submitted to the Commission an Electrical Utility Accident Investigation Report dated July 19, 1990, attached hereto as Appendix A, which alleges:

1. On July 5, 1990, a moving van came into contact with a cable television conductor and communications conductor which overhung Washington Street in Munfordville, Kentucky. The tension on these conductors, once released, caused two secondary electric conductors to recoil and make contact with each other. This contact resulted in a shower of sparks and a blown transformer fuse. A passenger in the moving van, who claimed to be injured as a result of the incident, required medical treatment.

2. At the time of the incident, the secondary electric conductors overhanging Washington Street, which KU owns and maintains, failed to comply with the minimum vertical clearance standards for above-ground wires and conductors as established by National Electrical Safety Code Rule 232C1. The communications conductor in question, which South Central RTCC owns and maintains, also failed to comply with these standards.

3. South Central RTCC did not submit a written summary report of the incident within seven days of its occurrence.

4. KU probably violated Commission Regulation 807 KAR 5:041, Section 3, by failing to comply with the standards of the National Electrical Safety Code.

5. South Central RTCC probably violated Commission regulation 807 KAR 5:061, Section 3, by failing to comply with the standards of the National Electrical Safety Code.

6. South Central RTCC probably violated Commission Regulation 807 KAR 5:006, Section 24, by failing to file a written summary report of the incident within seven days of the incident.

WHEREFORE, the Commission, on its own motion, HEREBY ORDERS that:

1. KU and South Central RTCC shall each submit to the Commission a written response to the allegations contained in the Electrical Utility Accident Investigation Report within 20 days of the date of this Order.

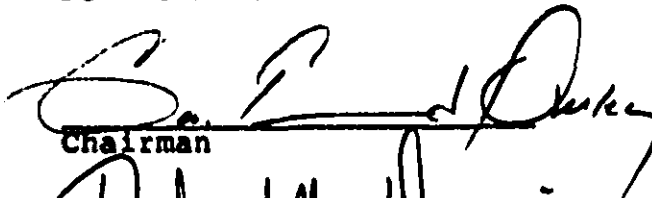
2. KU and South Central RTCC shall appear on October 1, 1990 at 10:00 a.m., Eastern Daylight Time, in Hearing Room 1 of the Commission's offices at 730 Schenkel Lane, Frankfort, Kentucky, for the purposes of presenting evidence concerning the incident which is the subject of the Electrical Utility Accident Investigation Report, specifically the alleged violations of the Commission Regulations 807 KAR 5:006, Section 24, 807 KAR 5:041, Section 3, and 807 KAR 5:061, Section 3, and of showing cause, if any they can, why they should not be subject to the penalties of

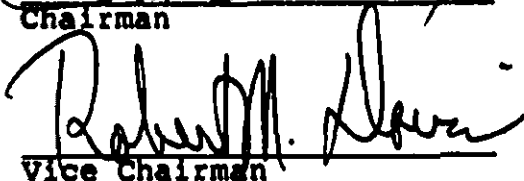
KRS 278.990 for their alleged failure to comply with Commission Regulations.

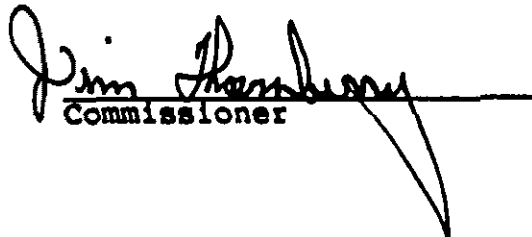
3. The Electrical Utility Accident Investigation Report dated July 19, 1990 is hereby made a part of the record of this case.

Done at Frankfort, Kentucky, this 17th day of September, 1990.

PUBLIC SERVICE COMMISSION


Chairman


Vice Chairman


Commissioner

ATTEST:


Executive Director

APPENDIX A
APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE
COMMISSION IN CASE NO. 90-257 DATED 9/17/90

ELECTRICAL UTILITY ACCIDENT INVESTIGATION

DATE OF THIS REPORT 7/19/90 SUBMITTED BY James R. Johnson

NAME OF UTILITY Kentucky Utilities Company

ACCIDENT REPORTED BY Mr. Brian Dickey

DATE & TIME UTILITY LEARNED OF ACCIDENT 11:45 A.M. 7/5/90

DATE & TIME ACCIDENT REPORTED 7/6/90 10:47 A.M.

DATE AND TIME ACCIDENT OCCURRED 7/5/90 approximately 11:40 A.M.

DATE OF ACCIDENT INVESTIGATION 7/6/90

DATE SUMMARY WRITTEN REPORT WAS RECEIVED FROM UTILITY 7/6/90

PERSONS ASSISTING IN THE INVESTIGATION Mr. Mike Eastridge, KU and
Ms. Martha Morton, PSC Staff.

NAME OF VICTIM(S) 1. Mike Blanton SEX M AGE 25

FATAL No NAME OF EMPLOYER: A. Arnold & Son

INJURIES Complained of numbness in face and feet and tightness
in chest.

2. _____ SEX _____ AGE _____

FATAL _____ NAME OF EMPLOYER: _____

INJURIES _____

3. _____ SEX _____ AGE _____

FATAL _____ NAME OF EMPLOYER: _____

INJURIES _____

ELECTRICAL UTILITY ACCIDENT INVESTIGATION (Continued)

LOCATION OF ACCIDENT SITE 700 Block of Washington Street, Munfordville, Kentucky.

DESCRIPTION OF ACCIDENT Truck moving furniture came into contact with telephone and TV cable putting tension on the wires and poles. When the cables slipped off the truck the tension was released on the telephone and TV cable causing the secondary conductors to recoil and make contact resulting in a shower of sparks and a blown transformer fuse. Mr. Blanton claimed he was shocked while sitting in the truck cab.

SOURCE OF INFORMATION KU accident report.

PROBABLE VIOLATIONS OF COMMISSION REGULATIONS 807 KAR 5:061 Section 3(1), Inadequate vertical clearance over road by communications conductors N.E.S.C. Table 232-1. 807 KAR 5:041 Section 3(1), Inadequate vertical clearance over road by electric supply line, 0 to 750V N.E.S.C. Table 232-1. Failure of South Central RTCC to provide a summary written report as required by 807 KAR 5:006 Section 24.

RECOMMENDATIONS That KU, South Central RTCC and Multi-Vision reconstruct their facilities to meet the minimum vertical clearance over a roadway as required by the N.E.S.C. Table 232-1. It is also recommended that the Commission consider action pursuant to KRS 278.990 for the failure of KU and South Central RTCC to comply with Commission regulations.

LINE CLEARANCES

	<u>As Measured</u>	<u>Minimum Allowed by NESC</u>
A. AT POINT OF ACCIDENT	7,200V 25' +	20'
Phase conductor to ground elevation:	120V 20' 9" 120V 19' 3 1/2"	18'
Neutral conductor to ground elevation:	25'	18'
Communication conductors to ground elevation:	14' 4"	18'
Phase conductor to structure:	N/A	N/A
Neutral conductor to structure:	N/A	N/A
Communication conductor to structure:	N/A	N/A
B. AT LOWEST POINT OF SPAN	7,200V 24' 11"	20'
Phase conductor to ground elevation:	120V 18' 10" 120V 17' 3"	18'
Neutral conductor to ground elevation:	19' 10"	18'
Communication conductor to ground elevation:	TV 12' 8 1/2" Tel. 12' 3"	18'

C. SPAN LENGTH 238'

Date the line or facilities were constructed: 1961

Utility: Kentucky Utilities Company

Date: 7/6/90 Time 3:30 P.M.

Approximate temperature: 90 Degrees F

Measurements made by: James R. Johnson

Submitted by: 

Utility Companies

Kentucky Utilities Company
Primary - Single Phase 7,200 V
Secondary - 120-240 V

South Central Rural Telephone Cooperative
25 pr.
6 M. Strand

Multi-Vision
P.O. Box 59
Edmonton, Kentucky 42129
Jackie Kingrey
1-800-862-0211

Truck Owner

A. Arnold & Son
2800 S. Wilson Road
Elizabethtown, Kentucky
(502) 737-7088

Mailing Address
P.O. Box 848
Radcliff, Kentucky 40159-0848
Attn: Ms. Kim Mason

Truck

1978 International Harvester Corp.
24 feet long, 13 feet high
Company Number 96
License Number 9EA163

Occupants of Truck

Mr. Gary Jones - Driver
Mr. Mike Blanton
Mr. Steve D. Williams

ATTACHMENT NO. 1

ATTACHMENT NO. 2

P. S. C. EMERGENCY REPORT FORM

DATE July 6, 1990 TIME 10:47

COMPANY KENTUCKY UTILITIES

PERSON MAKING CALL: NAME BRIAN DICKEY

TITLE _____

ADDRESS _____

PHONE 606 255-2100

LOCATION OF OCCURRENCE HORSE CAVE KENTUCKY

TIME OF OCCURRENCE JULY 5, 1990, BETWEEN 1-5 PM

DESCRIPTION OF OCCURRENCE: DEATHS: YES _____ NO _____

INJURIES: YES NO _____

ESTIMATED COST OF DAMAGE \$ _____

CAUSE AND DESCRIPTION A moving van (A. Arnold & Sons) struck a low hanging cable tv wire, caused pole to jar, secondary flipped into primary, "caused quite an arc", 1 person in van (Mike Blanton, 25 yrs. old) claimed to have been ~~shocked~~ shocked, visited doctor, no signs of burns, but claimed numbness, told by doctor to stay home for two days.

CORRECTIVE ACTIONS TAKEN Mr. Dickey plans to go down ^{9:00 AM} Monday, July 9, to perform complete investigation. Told him not sure if we would, & might not know until morning. If so, co-ordinate with Jim Brackney at #4, 255-2110

TIME OF RESUMPTION OF NORMAL SERVICE _____

SIGNED Martha M. Weston

TITLE _____

DATE July 6 19 90

ATTACHMENT NO. 3

P

REPORT OF PUBLIC OR GENERAL LIABILITY ACCIDENT

Personal Injury or property damage
FORM 200 NOV. 12-77

Kentucky Utilities Co.

110 Guthrie St.

Horse Cave, Ky. 42749

Claim No.

Co. Claim No.

TIME AND PLACE OF ACCIDENT

Date July 5 19 90 Time 11:40AM Location Woodland & Washinton St.
City Munfordville, Hart State Ky.

PERSON INJURED

Name Mike Blanton Age 25 Married _____ Age of children _____
Address Jones Av. Radcliff Ky Phone _____
Occupation Furniture Mover Employer A. Arnold & Son
Nature and extent of injuries Feet & Face were numb, tightness of chest
Injured taken to Munfordville Clinic Name of physician James Middleton

PUBLIC PROPERTY DAMAGED

Owner's Name _____ Address _____
Description of Property Damaged _____
Nature and Extent of Damages _____
Estimated Cost to Repair or Replace _____

ACCIDENT

How did the accident happen? (Give full details, describing equipment or other property involved and nature of work being done.)
An A. Arnold & Son truck struck cable TV & telephone lines that were 12 ft. 6 inches above the ground. The tension on their lines caused our secondary conductors to flop together, causing the transformer fuse to blow. Height of our secondary conductors is 18 ft. 2 inches. The height of the truck is 13 ft.. Mr. Blanton, one of three riders in the truck, reported that he received an electrical shock that required medical attention.
A. Arnold & Son
2800 S. Wilson Rd. Driver--Gary Jones
Elizabethtown, Ky. Truck No. 96
License No. 9EA 163

WITNESS OR PERSONS PRESENT

Name	Address	Phone
1.		
2.		
3.		

Report Made By Jerky Carter Date 7-5-90

Report Approved By [Signature] Date 7-6-90

ATTACHMENT NO. 4

PREVENTIVE MAINTENANCE WORK SHEET & REPORT

OWN Horse Care ZONE 2-B SEGMENT _____
 SERVICE TECH. S. BROWN DATE 5-7-90 HOURS WORKED 5-7-90

INSPECTION AND REPAIR PROCEDURES: Perform a thorough walking inspection of all poles, crossarms, hardware, transformers, pri. and sec. spans, st. lights, services, serv. entrances and meters. Perform all repairs necessary to place system in good operating condition. Prepare RO's for all repairs not completed during date of inspection. Mark "PM".

REPORT	REPAIRS NEEDED	LOCATION	COMPLETED	R. ORDER
Poles replaced	3	will mark PO TO R/P		
Poles to be set				
Crossarms replaced				
Down guys tightened		W washing tower 2 on	Buckner	
Down guy guard	3			
Anchors replaced		for clearance		
UG Anc. eyes repaired	2			
Ground wire repaired	5			
Pri. spans trimmed				
lgt. arr. & cutouts		will mark H.P. for cable to HT		
Trans. leads cleared				
Other pri. repairs	3 guys			
Trans. load checks				
Pudmount trans. insp.				
Trans. replaced				
Sec. resagged				
Sec. replaced				
Sec. trimmed				
Sec. voltage checks				
guards inst.				
Min, vert. clearance				
Tel & t.v. clearance				
Ser. replaced				
Idle ser. removed				
Ser. relocated				
Ser. resagged				
Ser. trimmed	1			
Connections repaired				
House knobs replaced				
Meter bases repaired				
Meter bases replaced				
Meters replaced				
St. lgts/COL trimmed				
St. lgts/COL repaired				
R/W Encl. reported				
Lines patrolled				
Remarks:	Walter Lane Powell Ridge Sub Sta			
	Part of North West St Wash. Tower			
	St & Buckner			

RECEIVED
 JUL 16 1990
 DIVISION OF UTILITY
 ENGINEERING & SERVICES

ROUTINE ORDER

GEO. CODE 6FEET JTT

225-5-9B

Date 5-9-90 Tax District MV-11
 District E. Town Town Horse Cove Charge To _____ POL |
 Map Murkerville Base Map 15 Detail/Sub R LV PM |

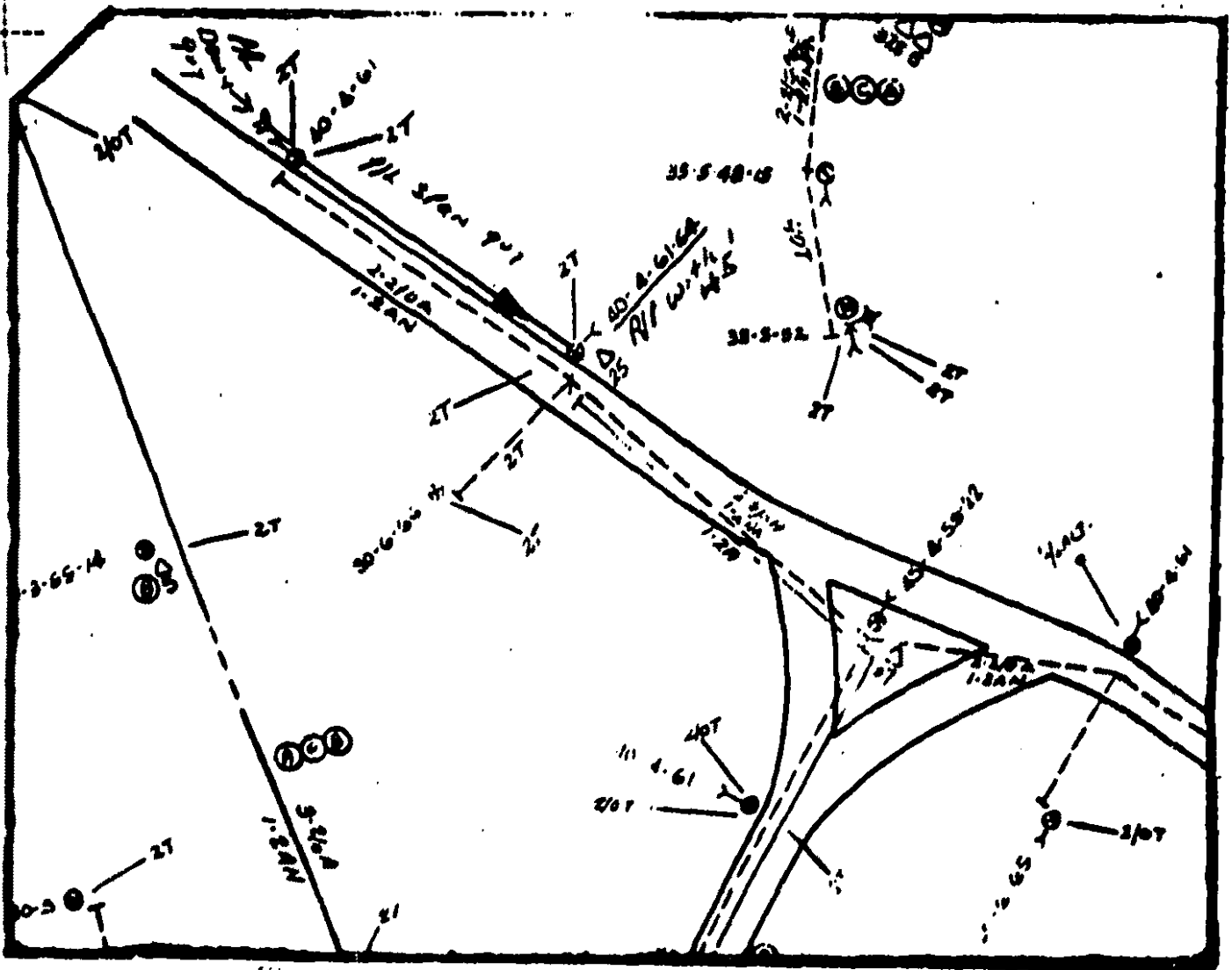
Location of Work North End of Washington St. Murkerville

Reason Needed low clearance over st

Description of Work 11' 10' pole with 45' & Add Span guy

Other Utility Contact Req. |

Easement Sec. & Recorded by _____ date _____ Ease. Not Req. |



Job Comments/7 days _____ NC

Submitted by [Signature]

Requested Completing Date _____
Est. M. Hours 5 Actual Hours _____
(exclude travel) (no job start)

Approved by _____

Contractor/Crew Used _____

ATTACHMENT NO. 5

PLANT INSPECTION REPORT

RECEIVED

DATE: 3-21-90

JUL 12 1990

DIVISION OF UTILITY
ENGINEERING & SERVICES

EXCHANGE	ROUTE	POLE SIZE	CONDITION		ROAD CLEARANCE	INSPECTED BY
			GOOD	BAD		
524	B12L-10	KU	✓			LR
11	B12L-11	KU	✓			LR
11	B 13	40-4			WRITE SHEET	LR
11	B 14	40-4	✓			LR
11	B 15	40-4	✓			LR
11	B 16	KU	✓			LR
11	B16R 1	KU	✓			LR
11	B16R 2	KU	✓			LR
11	B16R2L-1	KU	✓			LR
11	B16R2L-2	KU	✓			LR
11	B16R 3	KU	✓			LR
11	B16R 4	KU	✓			LR
11	B16R 5	KU	✓			LR
4	B 17	KU	✓			LR
11	B 18	KU	✓			LR
11	B 19	KU	✓			LR
11	B19R 1	KU	✓			LR
11	B19R 2	KU	✓			LR
11	B19R 3	KU	✓			LR
11	B19R 4	KU	✓			LR
11	B19R 5	KU	✓			LR
11	B19R 6	KU	✓			LR
11	B 20	30-4				LR

4801
SCATC
SCATC

30-90

SCATC