



INTERNAL
CORRESPONDENCE

UNION CARBIDE CORPORATION P. O. BOX 8004, SOUTH CHARLESTON, WV 25303
SILICONES AND URETHANE INTERMEDIATES
SOUTH CHARLESTON PLANT

To (Name) **W. S. Walker**
Division
Location
Area

Date **January 9, 1985**
Originating Dept. **Environmental Regulations**

Area

Subject

EPA Asbestos Regulations

Copy to **E. P. Contacts**
P. D. Gossage
Sal Rossi
F. A. Sanchez
J. L. Worstell
W. R. Yerkey

*John Dean,
et al*

*Need to
discuss
in staff
& fyi*

Ref: Letter, F. A. Sanchez to
R. E. Peele, et.al., "Asbestos
Standards Applicable at 514
Plant", May 30, 1984.

Bill

On May 30, 1984, F. A. Sanchez sent you a letter summarizing the EPA standards for asbestos. The purpose of this letter is to highlight some of the more important aspects of those standards.

All demolition and/or renovation activities which involve asbestos must be reported in advance to the EPA. Plant 514 will submit three types of notifications. (1) A letter will be sent to the EPA each year covering routine miscellaneous maintenance operations (renovations). A letter has already been sent for 1985. (2) Any large scale maintenance jobs (renovations) must be reported separately. For instance, the stripping of several hundred feet of line for repairs would fall under this classification. (3) Any demolition activities must be reported by a separate letter.

In order for EPD to submit notification letters on time, we must be kept informed of any anticipated large scale renovations and any demolition work. To meet the EPA deadlines, EPD must be notified thirty days before any job is scheduled to begin.

Removal of asbestos must follow EPA criteria which generally prohibit any emissions of asbestos during the removal operation. This will usually involve thorough wetting prior to removal and sealing asbestos in leak-tight, labelled containers. Removed asbestos is not to be dropped or thrown to the ground as this will cause the release of asbestos fibers into the air.

Once the asbestos is bagged for disposal, it should be promptly transported to Goff Mountain for disposal. A properly prepared manifest is required. One of the deficiencies noted during the Corporate Audit during August was our lack of prompt disposal of removed asbestos. Trucking must be kept aware of jobs involving asbestos removal so that prompt disposal can be made. No job should be considered complete until disposal has been accomplished.

Departments which have ongoing maintenance jobs involving asbestos should monitor the worksite daily to assure the prompt disposal of removed asbestos. "Orphan" bags of asbestos must be called to the attention of Trucking promptly to avoid a repeat of the situation discovered in August. Each Department must be responsible for avoiding any accumulation of removed asbestos within its area.

Very truly yours,



J. R. Soice

JRS/lms
0103S

ALTERNATE METHOD OF DETERMINING REQUIREMENTS

REPAIR NEEDS = INSULATION REMOVAL + INSULATION REPLACEMENT

INSULATION REMOVAL RATE = 11,786 MH/YR

* REPLACEMENT = (4)(11,786) = 47,144 MH/YR

REPAIR NEEDS = 58,930 MH/YR = 37 EQ PEOPLE

REPAIR NEEDS (ASSUME 10% OVERTIME) = 34 EQ PEOPLE

THIS COMPARES WITH AN INDICATED REQUIREMENT OF 36 EQ PEOPLE
USING BASIS OF HISTORICAL DATA.

*ASSUME 4 HOURS REPLACEMENT IS REQUIRED FOR EACH HOUR OF REMOVAL.

J. R. Dean:mb
1/7/85

RECEIVED [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

STAFFING REQUIREMENTS REPAIR WORK (Assumes 10% Overtime)	36 INSULATORS
ASBESTOS REPAIR WORK (Assumes 10% Overtime)	10 INSULATORS
TOTAL REQUIREMENTS	46 INSULATORS
CURRENT STAFFING	19 INSULATORS
SHORTAGES:	
REPAIR WORK	17 INSULATORS
ASBESTOS REPAIR	10 INSULATORS

RECOMMENDATION FOR REPAIR WORK

1. BID 11 INSULATORS.
2. IMPROVE PRODUCTIVITY BY 17%.
3. MAINTAIN LONG RANGE STAFFING AT 30 INSULATORS.

RECOMMENDATION FOR ASBESTOS REPAIR

1. CONTRACT ASBESTOS REPAIR WORK.
2. REVIEW NEED TO STAFF 2-4 INSULATORS TO MAINTAIN ASBESTOS MID 1986.

J. R. Dean:mb
1/7/85

1. The first part of the document is a list of the names of the persons who were present at the meeting.

Page 1 of 1

Page 2 of 2

3. The third part of the document is a list of the names of the persons who were present at the meeting.

Page 3 of 3

4. The fourth part of the document is a list of the names of the persons who were present at the meeting.

Page 4 of 4

5. The fifth part of the document is a list of the names of the persons who were present at the meeting.

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7. The seventh part of the document is a list of the names of the persons who were present at the meeting.

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13. The thirteenth part of the document is a list of the names of the persons who were present at the meeting.

14. The fourteenth part of the document is a list of the names of the persons who were present at the meeting.

CRAFT/DEPARTMENT		1984 OT %	# PEOPLE ASSIGNED
SM		3.47	7
	SECURITY	3.9	12
	MTL MGMT	4.8	25
AM		5.06	4
	EP	5.3	2
	POLYOLS	5.5	27
SI		6.05	13
MA		6.73	12
IM		6.90	43
	FIRE PROT	7.5	10
	ENERGY	8.1	31
	MAINLAND	8.1	17
	UTIL MECH	8.8	5
	SPECIALTY	9.2	26
MW		9.43	45
TD		9.68	23
SB		10.89	83
	UICC	11.8	24
	LAB	12.0	14
	MIXING	12.6	7
	OXIDE	13.4	15
EO		13.95	10
EL		14.13	43
	SUR/PVA	14.4	46
LR		15.6	32
	DISTRIB	16.2	83
	SILICONES	16.3	29
CA		16.78	16
RI		17.78	32
WE		18.35	14
PF		18.45	58
PA		20.76	5
IR		24.79	19
BM		29.51	3



UNION CARBIDE CORPORATION

P. O. BOX 8004, SOUTH CHARLESTON, W. VA. 25303

Silicones and Urethane Intermediates

South Charleston Plant

January 2, 1985

Regional Administrator
U. S. Environmental Protection Agency
Region III
Sixth and Walnut Streets
Philadelphia, Pennsylvania 19106

Dear Sir:

SUBJECT: Notice of Asbestos Removal and Disposal

This letter constitutes notification, as required by 40 CFR - §61.146, that Union Carbide Corporation, Old Ridgebury Road, Danbury, Connecticut 06817, plans to engage in renovation and/or demolition activities as described below:

The facilities to be renovated and/or demolished are located at 437 MacCorkle Avenue, S.W., South Charleston, West Virginia 25303. The facilities consist of various buildings, equipment, and piping used in the manufacture and distribution of organic chemicals and plastics, some of which are over fifty-five years old. The amount of friable asbestos material present is unknown at this time.

Renovation/demolition is scheduled to begin January 1, 1985, and to be completed by December 31, 1985. The work consists of on-going routine miscellaneous maintenance of the manufacturing facilities which may involve the removal of asbestos insulation. All friable asbestos material will be thoroughly wetted prior to removal and will be placed in properly labeled plastic bags for disposal. The amount of asbestos to be disposed of cannot be predicted at this time, but should be modest.

Asbestos removal associated with more substantial projects of a more specific nature will be reported by separate notification as may be appropriate and in accordance with the regulations.

All asbestos material will be disposed of at the Goff Mountain Landfill, Union Carbide Corporation, Route 25, Institute, West Virginia 25112.

Very truly yours,

J. L. Worstell

Environmental Protection Coordinator

JLW:cp
0149W

CC: C. G. Beard, II - WVAPCC

UCC 003145

D I S T R I B U T I O N

F. L. Boggs

~~J. R. Dean~~

R. L. Foster

P. D. Gossage

S. Rossi

J. R. Soice

EPD Circulate

J. R. DEAN
BLDG. 309-2

Week Ending 12-1-84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E 10-27-84

[illegible]

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		%Complete	
					Week	Accum	Week	Accum	Winterize	Add Ons
<u>169</u>										
36	1980	1252	1016	448	-	-	0	83	51%	36%
<u>200-249</u>										
300	0	16	0	16	-	-	0	0	-	100%
303	96	0	64	0	-	-	0	54	66%	-
323	548	676	548	627	-	-	0	0	100%	93%
103 N	0	60	0	0	-	-	0	0	-	0%
75	0	8	0	8	-	-	0	0	-	100%
Island TC Racks	0	120*	0	8	-	-	0	0	-	7%
<u>327</u>										
219	500	0	420	0	-	-	0	1	84%	-
320	32	0	0	0	-	-	0	0	0%	-
<u>355</u>	0	0	0	0	-	-	0	7	-	-
<u>049</u>										
152	0	96	0	86	-	-	0	0	-	90%
<u>308</u>										
20 Sump	0	80	0	40	-	-	0	4	-	50%
<u>880</u>										
WTP	0	120	0	0	-	-	0	0	-	0%
Total	12198	6821	5865	2703	56	-	86	1083	48%	40%

* Denotes a change from Previous Week

UCC 003148

Week Ending 12-15-84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E 10-27-84

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
					Week	Accum	Week	Accum	Winterize List	Add Ons
001-019										
151	774	452	758	192	-	-	0	142	98%	42%
102	0	60	0	32	-	-	1	3	-	53%
✓064										
133	0	0	0	0	-	-	0	4	-	-
134	1888	320	210	82	-	-	4	30	11%	26%
135	368	112	40	78	-	-	0	4	11%	70%
144/149	1616	1526	922	350	-	-	35	66	57%	23%
✓077										
42	0	316*	0	306	-	-	16	102	-	97%
✓082										
157	140	64*	39	32	-	-	2	34	28%	50%
✓083										
152	32	0	0	0	-	-	24	102	0%	-
154	152	0	64	0	-	-	0	3	42%	-
✓103	1600	1323*	1506	816	56	-	40	432	94%	62%
✓106										
103	1480	208	280	88	-	-	34	108	19%	42%
196	352	508	294	233	-	-	7	55	84%	46%
216	0	0	0	0	-	-	0	3	-	-
✓113	0	48*	0	12	-	-	34	89	-	25%
✓115	0	0	0	0	-	-	8	56	-	-
✓121										
174	640	192	376	144	-	-	0	21	59%	75%

UCC 003149

*Denotes a change from Previous Week

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		%Complete	
					Week	Accum	Week	Accum	Winterize	Add Ons
<u>169</u>										
36	1980	1252	1016	506	-	-	16	169	51%	40%
<u>200-249</u>										
300	0	32*	0	32	-	-	0	0	-	100%
303	96	60	64	60	-	-	16	90	66%	100%
323	548	676	548	627	-	-	0	0	100%	93%
103N	0	60	0	60	-	-	0	0	-	100%
75	0	8	0	8	-	-	0	0	-	100%
Island T/C Racks	0	120	0	40	-	-	0	0	-	33%
<u>327</u>										
222	0	0	0	0	-	-	4	4	-	-
219	500	0	420	0	-	-	0	1	84%	-
320	32	0	0	0	-	-	0	0	0%	-
<u>355</u>	0	0	0	0	-	-	0	7	-	-
<u>049</u>										
152	0	96	0	86	-	-	0	0	-	90%
308										
20 Sump	0	80	0	80	-	-	0	4	-	100%
880 WTP	0	120	0	0	-	-	0	0	-	0%
Total	12198	7633	6537	3864	56	-	241	1529	54%	51%

*Denotes a change from Previous Week

METHOD #2

1	2	3	4	5	6	7	8	9	10	11	12	13
INSULATION REQUIREMENT = INSULATION REMOVAL + INSULATION REPLACEMENT + ASBESTOS REPAIR												
INSULATION REMOVAL RATE	=						11,686		MM/YR			
REPLACEMENT = (4) X (11,686)	=						46,744		MM/YR			
TOTAL	=						58,430		MM/YR	OR	36.5 EQ PERS	
ASBESTOS REPAIR ESTIMATES	=										11.3 EQ PERS	
TOTAL INSULATOR NEEDS	=										47.8 EQ PERS	
ASSUME 10% OVERTIME RATE	=										43.5 EQ PERS	
												12/26/84 (12.1)

1	2	3	4	5	6	7	8	9	10	11	12	13
1												
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31												

DATA INDICATES NEED FOR 45.6 INSULATORS WORKING 10% OVERTIME TO COVER PLANT NEEDS WITH PRESENT LEVEL OF PRODUCTIVITY. WITH THE PRESENT STAFFING OF 19 INSULATORS THE INDICATED SHORTAGE IS 26.6 PEOPLE

RECOMMENDATIONS

BID ONLY 16 INSULATOR JOBS AND MAINTAIN STAFFING AT 35 PEOPLE. THIS WILL REQUIRE A PRODUCTIVITY IMPROVEMENT OF 30% IN ORDER TO MAINTAIN THE PLANT. ONCE THE ASBESTOS REPAIR WORK IS COMPLETE REDUCE STAFFING LEVEL TO 30 INSULATORS

12/26/8
JRD

METHOD #2

INSULATION REQUIREMENT = INSULATION REMOVAL + INSULATION REPLACEMENT + ASBESTOS REPAIR

INSULATION REMOVAL RATE = 11,686 MH/YR

REPLACEMENT = (4)(11,686) = 46,744 MH/YR

TOTAL = 58,430 MH/YR

OR 36.5 EQUIV

ASBESTOS REPAIR ESTIMATES =

11.3 EQUIV

TOTAL INSULATOR NEEDS =

47.8 EQUIV

ASSUME 10% OVERTIME RATE =

43.5 EQUIV

12/26/84
JRD

DATA INDICATES NEED FOR 45.6 INSULATORS WORKING 10%
OVERTIME TO COVER PLANT NEEDS WITH PRESENT
LEVEL OF PRODUCTIVITY. WITH THE PRESENT STAFFING
OF 19 INSULATORS THE INDICATED SHORTAGE IS
26.6 PEOPLE

RECOMMENDATIONS

BID ONLY 16 INSULATOR JOBS AND MAINTAIN
STAFFING AT 35 PEOPLE. THIS WILL REQUIRE
A PRODUCTIVITY IMPROVEMENT OF 30% IN ORDER
TO MAINTAIN THE PLANT. ONCE THE ASBESTOS
REPAIR WORK IS COMPLETE REDUCE STAFFING LEVEL
TO 30 INSULATORS

12/26/84
JRD

Managers

12/28/84

Deferred needs on going	27
silicon exposure	2
	<u>25</u>
Widening 84	12
should catch up 85-86 then need 4	-8
Net	29
Asbestos will go away in 86	113
need to make it 3	-8
Net need in 1986	33

Currently have 19 managers

32	20	
Manager	Net manager	39
B Group (a)	26	20 routine work
(b)	6.5	5 widening/exp
(c)	18	14 asbestos
	<u>50</u>	<u>39</u>

Get rid of widening group to zero
 Increase productivity of routine work so 20 can do it
 If at 1986 asbestos is complete, widening is not needed & routine work caught up to take people

In 1985 ASAP asbestos are in assign 14 people to Squelch on asbestos project.

Determine retirement potential from group

514 INSULATION NEEDS

04/01/85 7:44 AM

DEPARTMENT	DAY-TO-DAY REPAIR NEEDS			WINTERIZATION NEEDS				ASBESTOS REPAIR NEEDS		CURRENT STAFFING AVAILABLE		STAFFING SHORTAGES		
	Number	Eq. Pione	Basis	Has. Req'd	Basis	Eq. Pione	Eq. Pione	Has. Req'd	Basis	Eq. Pione	Eq. Pione	Repair Out	Rep. In Wkr	Regular Staff
TERMINAL	003	0.05	ABN ACHN	160	Wint List	0.6	0.1	525*	GUESS	0.04	0.01	0.01	0.1	0.1
TERMINAL	004	2.5	"	800	Wint List	2.8	0.5	9900	ESTIMATE	2.1	0.4	0.9	0.9	1.1
TERMINAL	007	0.4	"	448	No List	1.6	0.3	1000*	GUESS	0.3	0.1	0.4	0.4	0.3
TERMINAL	049	0.9	"	472	Wint List	1.7	0.3	380	GUESS	0.7	0.2	0.5	0.5	0
TERMINAL	064	2.6	"	3488	Wint List	12.2	2.0	5400*	GUESS	2.0	0.6	2.6	2.6	0.4
TERMINAL	077	2.0	"	184	Wint List	0.6	0.1	1350*	GUESS	1.7	0.3	0.4	0.4	0.1
TERMINAL	082	0.7	"	400	No List	1.4	0.2	750	GUESS	0.6	0.1	0.3	0.3	0.1
TERMINAL	083	1.2	"	1000	Wint List	3.5	0.6	3600*	GUESS	1.0	0.2	0.8	0.8	0.2
TERMINAL	103	5.7	"	1600	Wint List	0.6	0.9	0	GUESS	4.7	1.0	1.9	1.9	0
TERMINAL	106	3.6	"	992	Wint List	3.5	0.6	750	GUESS	3.0	0.6	1.2	1.2	0.1
TERMINAL	113	1.3	"	720	No List	2.5	0.4	5400*	GUESS	1.1	0.2	0.6	0.6	0.3
TERMINAL	115	0.8	"	480	No List	1.7	0.3	1000*	GUESS	0.7	0.1	0.4	0.4	0.1
TERMINAL	121	0.4	"	540	Wint List	1.9	0.3	1900	GUESS	0.3	0.3	0.4	0.4	0.1
TERMINAL	169	3.1	"	920	Wint List	3.4	0.8	1200	GUESS	2.6	0.5	1.1	1.1	0.1
TERMINAL	222/227	0.5	"	860	Wint List	3.0	0.5	1800*	GUESS	0.4	0.1	0.6	0.6	0.1
TERMINAL	228/229	0.6	"	0	No List	0	0.1	900*	GUESS	0.5	0.1	0.1	0.1	0
TERMINAL	326	0.2	"	256	No List	0.9	0.1	450	GUESS	0.2	0.0	0.1	0.1	0.1
TOTAL PLANT		26.55		13,370		41.9	7.8	34,305		22	4.6	12.4	15.6	
				①						③	③	③	③	③
① BASED ON ORIGINAL WINTERIZATION LISTS - ADD-ON LISTS CONTINUE TO COME IN AND IN SOME CASES WILL DOUBLE ORIGINAL LIST														
② ASSUMES ASBESTOS REPAIRS WILL BE SPREAD OVER A 5 YEAR PERIOD														
③ CONSIDERS CURRENT STAFFING - BY JAN 1985 OUR CURRENT STAFFING														
WILL REDUCE BY 3-5 PEOPLE														

9-20-84

ADDITIONAL ACTION STEPS PLANNED

ACTION STEP	ACCOUNTABILITY	COMPLETION DATE
1. Identify and assign the out-of-classification craftspersons	JRD	10/12/84
2. Secure agreement with Union on working second skill and out-of-classification craftspersons.	FSS	10/12/84
3. Assign the identified non insulator craftspersons to the insulator groups.	EEB	10/15/84
4. Secure agreement with Union on beginning the apprentice 120-day probationary period on the day following the end of their involvement with insulation for the non insulator apprentices in the program.	FSS	10/12/84
5. Assign Walt Marria, Tom West, and Paul Deverick as insulator supervisors.	CRG JJA EGH	10/15/84
6. Develop plan to orderly assign and train the non insulator craftspersons and organize and control the overall winterization effort.	CRG JJA	10/15/84
7. Obtain re-prioritized insulation <u>Must</u> lists from clients.	CRG JJA	10/19/84
8. Maintain up-to-date Gantt charts and review same with Maintenance Management and clients weekly.	TGW	On-going
9. Support the overall winterization effort.	Area Supts.	On-going
10/12/84		

1984 INSULATION WINTERIZATION PROGRAM

Condition

Winterization lists from clients require an estimated 41 additional insulators for a two-month period in addition to the 22 assigned craftspersons in order to complete the necessary winterization as well as day-to-day repair work.

Plan for Obtaining the Additional Help

Insulators	22
Overtime Equiv.	12
Second Skill IR's	4
SWAP	8
Out-of-Classification	<u>10</u>
Total	56

Out-of-classification will be procured from the new apprentices as follows:

<u>Classification</u>	<u>Group A</u>	<u>Group B</u>
EL	4	3
IM	2	2
MW	3	3
PF	<u>1</u>	<u>2</u>
Total	10	10

10/12/84

PROBLEM

OUR CURRENT STAFFING OF 22 INSULATORS CANNOT TAKE CARE OF OUR SHORT TERM (WINTERIZATION) OR LONG TERM (REPAIR, FUTURE WINTERIZATION, AND ASBESTOS REPAIR) INSULATING NEEDS.

OTHER FACTORS

① AT THE PRESENT TIME WE ARE USING 4 INSULATORS OR 20% OF OUR INSULATOR RESOURCES FOR THE PURPOSE OF IDENTIFYING AND LABELING ASBESTOS.

② BY THE END OF 1994 WE WILL LOSE THREE (COMMITTED) AND WE BELIEVE A TOTAL OF FIVE INSULATORS.

POSSIBLE ALTERNATIVES

① DO NOTHING

THIS WOULD PROVIDE THE POTENTIAL OF DISASTROUS FREEZE-UPS IN THE PLANT FOR THIS WINTER. IN ADDITION IT IGNORES THE LONGER RANGE PROBLEMS OF DOING DAY-TO-DAY REPAIR WORK, FUTURE WINTERIZATION WORK, AND ASBESTOS REPAIR WORK.

② CONTRACT WINTERIZATION WORK

THIS COULD CORRECT OUR CURRENT WINTERIZATION NEEDS. THIS WOULD BE A BITTER PILL FOR THE UNION SINCE IT REQUIRES A LARGE NUMBER OF CONTRACTORS DOING NON-EMERGENCY REPAIR WORK. IN ADDITION THIS ALTERNATIVE IGNORES THE LONGER

RANGE PROBLEMS OF DOING DAY-TO-DAY REPAIR WORK, FUTURE WINTERIZATION WORK, AND ASBESTOS REPAIR WORK.

③ BID ADDITIONAL INSULATOR JOBS

THIS WOULD ADDRESS OUR LONGER RANGE NEEDS ~~BUT~~ PROBABLY COULD NOT HAPPEN FAST ENOUGH TO CORRECT 1984 WINTERIZATION REQUIREMENTS. IN ADDITION APPROVAL FOR A BID WOULD BE DIFFICULT SINCE WE ALREADY HAVE THE PROBLEM OF NOT SELLING OUT OUR RESOURCES IN 1985 BUDGET.

④ DO 2 AND 3 ABOVE

THIS ALTERNATIVE WOULD CORRECT BOTH LONG AND SHORT RANGE NEEDS. THE POSTING OF A BID COULD MAKE CONTRACTING MORE ACCEPTABLE TO THE BARGAINING UNIT. THIS IS THE RECOMMENDED ALTERNATIVE.

MEMO

AVOID ORAL INSTRUCTIONS

DATE 9/28 1984TO JRDNo. on Hand (Insulators)

<u>7/31/78</u>	<u>46</u>
" <u>79</u>	<u>41</u>
" <u>80</u>	<u>39</u>
" <u>81</u>	<u>33</u>
" <u>82</u>	<u>28</u>
" <u>83</u>	<u>25</u>
<u>8/31/84</u>	<u>22</u>

514-686-D

+ DO IT THE SAFE WAY +

SIGNED ALG

Week Ending 12-8-84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E 10-27-84

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
									Winterize List	Add Ons
<u>001-019</u>										
151	774	452*	534	160	-	-	6	142	69%	35%
102	0	60	0	32	-	-	0	2	-	53%
<u>064</u>										
133	0	0	0	0	-	-	0	4	-	-
134	1888	320	210	82	-	-	4	26	11%	26%
135	368	112	40	78	-	-	0	4	11%	70%
144/149	1616	1526	828	304	-	-	0	31	51%	20%
<u>077</u>										
42	0	300	0	290	-	-	30	86	-	97%
<u>082</u>										
157	140	32+ list not est.	39	16	-	-	2	32	28%	50%
<u>083</u>										
152	32	0	0	0	-	-	2	78	0%	-
154	152	0	64	0	-	-	0	3	42%	-
<u>103</u>	1600	1287	1506	616	56	-	40	392	94%	48%
<u>106</u>										
103	1480	208*	264	88	-	-	8	74	18%	42%
196	352	508*	294	153	-	-	8	48	84%	30%
216	0	0	0	0	-	-	0	3	-	-
<u>113</u>	0	0	0	0	-	-	0	55	-	-
<u>115</u>	0	0	0	0	-	-	3	48	-	-
<u>121</u>										
174	640	192	376	144	-	-	2	21	59%	75%

*Denotes a change from Previous Week

Week Ending 12-1-84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E 10-27-84

[illegible]

Week Ending 11/24/84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E 10/27/84

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
									Winterize List	Add Ons
<u>001-019</u>										
151	774	80*	304	48	-	-	16	126	39%	60%
102	0	60*	0	32	-	-	2	2	-	53%
<u>064</u>										
133	0	0	0	0	-	-	0	4	-	-
134	1888	180	210	54	-	-	0	10	11%	30%
135	368	64	40	34	-	-	0	0	11%	52%
144/149	1616	1526	648	220	-	-	0	29	40%	14%
<u>077</u>										
42	0	300	0	240	-	-	0	56	-	80%
<u>082</u>										
157	140	0	0	0	-	-	2	28	0%	-
<u>083</u>										
152	32	0	0	0	-	-	0	76	0%	-
154	152	0	64	0	-	-	0	3	42%	-
<u>103</u>	1600	1087	1506	272	56	-	24	312	94%	25%
<u>106</u>										
103	1480	0	174	0	-	-	6	65	12%	-
196	352	388	290	28	-	-	0	38	82%	7%
216	0	0	0	0	-	-	0	3	-	-
<u>113</u>	0	0	0	0	-	-	4	38	-	-
<u>115</u>	0	0	0	0	-	-	0	39	-	-
<u>121</u>										
174	640	192	376	144	-	-	3	19	59%	75%

*Denotes a shcnage from Previous Week

UCC 003166

Week Ending 11-17-84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E 10-27-84

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
					Week	Accum	Week	Accum	Winterize List	Add Ons
<u>001-019</u>										
151	774	32	256	32	-	-	56	110	33%	100%
<u>064</u>										
133	0	0	0	0	-	-	4	4	-	-
134	1888	180*	194	54	-	-	0	10	10%	30%
135	368	64	32	34	-	-	0	0	9%	52%
144/149	1616	1526*	600	220	-	-	16	29	37%	14%
<u>077</u>										
42	0	300	0	160	-	-	0	56	-	53%
<u>082</u>										
157	140	0	0	0	-	-	24	26	0%	-
<u>083</u>										
152	32	0	0	0	-	-	27	76	0%	-
154	152	0	64	0	-	-	0	3	42%	-
<u>103</u>	1600	1087*	1204	272	56	-	40	288	75%	25%
<u>106</u>										
103	1480	0	158	0	-	-	7	59	11%	-
196	352	388	266	28	-	-	18	38	76%	7%
216	0	0	0	0	-	-	0	3	-	-
<u>113</u>	0	0	0	0	-	-	7	34	-	-
<u>115</u>	0	0	0	0	-	-	11	39	-	-
<u>121</u>										
174	640	192	376	144	-	-	8	16	59%	75%

* Denotes a change from Previous Week

UCC 003168

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
					Week	Accum	Week	Accum	Winterize	Add On
<u>169</u>										
36	1980	1252	788	448	-	-	0	83	40%	36%
<u>200-249</u>										
300	0	16	0	16	-	-	0	0	-	100%
303	96	0	64	0	-	-	-	54	66%	-
323	548	676	548	419	-	-	0	0	100%	62%
103N	0	60	0	0	-	-	0	0	-	0%
75	0	8	0	8	-	-	0	0	-	100%
<u>327</u>										
<u>219</u>	500	0	404	0	-	-	0	1	81%	-
320	32	0	0	0	-	-	0	0	0%	-
<u>355</u>	0	0	0	0	-	-	0	3	-	-
<u>049</u>										
<u>152</u>	0	96	0	0	-	-	0	0	-	0%
<u>308</u>										
20 Sump	0	80	0	0	-	-	4	4	-	0%
<u>880</u>										
WTP	0	120	0	0	-	-	0	0	-	0%
Total	12198	6077	4954	1835	56	-	222	936	41%	30%

* Denotes a change from Previous Week

J. R. DEAN
BLDG. 309-2

Week Ending 11-10-84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E10-27-84

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
					Week	Accum.	Week	Accum.	Winterize List	Add Ons
<u>001-019</u>										
151	774	32*	132	32	-	-	20	54	17%	100%
<u>064</u>										
134	1888	80*	186	16	-	-	8	10	10%	20%
135	368	64*	32	26	-	-	0	0	9%	41%
144/149	1616	1510	544	212	-	-	4	13	34%	14%
<u>077</u>										
42	0	300*	0	160	-	-	16	56	-	53%
<u>082</u>										
157	140	0	0	0	-	-	0	2	0%	-
<u>083</u>										
152	32	0	0	0	-	-	10	49	0%	-
154	152	0	64	0	-	-	0	3	42%	-
103	1600	1055+ list not est	280	264	-	-	248	248	17%	25%
<u>106</u>										
103	1480	0	56	0	-	-	24	52	4%	-
196	352	388*	256	28	-	-	8	20	73%	7%
216	0	0	0	0	-	-	0	3	-	-
<u>113</u>										
113	0	0	0	0	-	-	7	27	-	-
<u>115</u>										
115	0	0	0	0	-	-	2	28	-	-
<u>121</u>										
174	640	192	376	144	-	-	0	8	59%	75%

* Denotes a change from Previous Week

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		%Complete	
					Week	Accum	Week	Accum	Winterize	Add On
<u>169</u>										
36	1980	1252*	744	448	-	-	16	83	38%	36%
<u>200-249</u>										
300	0	16 *	0	16	-	-	0	0	-	100%
303	96	0	64	0	-	-	-	54	66%	-
323	548	676 *	548	419	-	-	0	0	100%	62%
103 N	0	60*	0	0	-	-	0	0	-	0%
<u>327</u>										
219	500	0	375	0	-	-	1	1	75%	-
320	32	0	0	0	-	-	0	0	0%	-
<u>355</u>	0	0	0	0	-	-	0	3	-	-
<u>049</u>										
152	0	96*	0	0	-	-	0	0	-	0%
<u>308</u> 20 sump	0	80*	0	0	-	-	0	0	-	0%
<u>880</u> WTP	0	120*	0	0	-	-	0	0	-	0%
TOTAL	12198	5921	3657	1765	-	-	364	714	30%	30%

* Denotes a change from Previous Week

Week Ending 11-3-84

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

First Report W/E 10-27-84

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
					Week	Accum	Week	Accum	Winterize List	Add Ons
<u>001-019</u>										
151	774	0	120	0	-	-	4	34	16%	-
<u>064</u>										
134	1888	0	146	0	-	-	0	2	8%	-
135	368	0	32	0	-	-	0	0	9%	-
144/149	1616	1510*	474	208	-	-	2	9	29%	14
<u>077</u>										
42	0	180* +120	0	120	-	-	40	40	-	67
<u>082</u>										
157	140	0	0	0	-	-	0	2	0%	-
<u>083</u>										
152	32	0	0	0	-	-	32	39	0%	-
154	152	0	64	0	-	-	0	3	42%	-
<u>103</u>	1600	344*	280	264	-	-	0	0	17%	77
<u>106</u>										
103	1480	0	30	0	-	-	10	28	2%	-
196	352	104*	176	16	-	-	6	12	50%	15
216	0	0	0	0	-	-	3	3	-	-
<u>113</u>	0	0	0	0	-	-	0	20	-	-
<u>115</u>	0	0	0	0	-	-	3	26	-	-
<u>121</u>										
174	640	192	376	128	-	-	0	8	59%	67
				16						

* Denotes a change from Previous Week

UCC 003172

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		%Complete	
					Week	Accum	Week	Accum	Winterize	Add On
<u>169</u>		230								
36	1980	956+ (list not est)	+48 696	448	-	-	67	67	35%	47%
<u>200-249</u>										
303	96	0	64	0	-	-	54	54	66%	-
323	548	419+ (list not est)	548	419	-	-	0	0	100%	100%
<u>327</u>										
219	500	0	0	0	-	-	0	0	0%	-
320	32	0	0	0	-	-	0	0	0%	-
<u>355</u>	0	0	0	0	-	-	0	3	-	-
Total	12198	3705	3381	1603	-	-	221	350	27%	43%

80-0
-7500
1800

UCC 003173

UCC 003173

7EL
4 IM
6 MW
3 PF

WEEKLY STATUS REPORT
ON
WINTERIZATION INSULATION

Week Ending 10/27/84

First Report W/E 10/27/84

Dept/Bldg	Winterizing (Man/hours)	Add Ons (Man/hours)	M/H Comp Winterizing	M/H Comp Add Ons	Asbestos Rem/Repair (Man/hours)		Stripping (Man/hours)		% Complete	
					Week Accum		Week Accum		Winterize List	Add Ons
<u>001-019</u>										
151	Not Est.	0	0	0	-	-	30	30	-	-
<u>064</u>										
134	1888	0	32	0	-	-	2	2	2%	-
135	368	0	32	0	-	-	0	0	9%	-
144/149	1616	Not Est.	376	160	-	-	7	7	23%	?
<u>077</u>										
42	0	0	0	0	-	-	Not Est	Not Est	-	-
<u>082</u>										
157	140	0	0	0	-	-	2	2	0%	-
<u>083</u>										
152	32	0	0	0	-	-	7	7	0%	-
154	152	0	64	0	-	-	3	3	42%	-
<u>103</u>	1600	0	280	0	-	-	Not Est	Not Est	17%	-
<u>106</u>										
103	Not Est.	0	0	0	-	-	18	18	-	-
196	352	0	176	0	-	-	6	6	50%	-
216	Not Est.	0	0	0	-	-	0	0	-	-
<u>113</u>	0	0	0	0	-	-	20	20	-	-
<u>115</u>	0	0	0	0	-	-	23	23	-	-
<u>121</u>										
174	640	192	376	128	-	-	8	8	59%	67%

UCC 003174

ATTACHMENT TO JRD LETTER
TO TGS ET AL 10/12/84

1984 INSULATION WINTERIZATION PROGRAM

Condition

Winterization lists from clients require an estimated 41 additional insulators for a two-month period in addition to the 22 assigned craftspersons in order to complete the necessary winterization as well as day-to-day repair work.

Plan for Obtaining the Additional Help

Insulators	22
Overtime Equiv.	12
Second Skill IR's	4
SWAP	8
Out-of-Classification	<u>10</u>
Total	56

Out-of-classification will be procured from the new apprentices as follows:

<u>Classification</u>	<u>Group A</u>	<u>Group B</u>
EL	4	3
IM	2	2
MW	3	3
PF	<u>1</u>	<u>2</u>
Total	10	10

10/12/84

UCC 003176

ADDITIONAL ACTION STEPS PLANNED

Memo
~~SWAP 2 WKS~~
~~NOT PAY FOR~~
CR POCYOC

ACTION STEP	ACCOUNTABILITY	COMPLETION DATE
1. Identify and assign the out-of-classification craftspersons	JRD	10/12/84
2. Secure agreement with Union on working second skill and out-of-classification craftspersons.	FSS	10/12/84
3. Assign the identified non insulator craftspersons to the insulator groups.	EEB	10/15/84
4. Secure agreement with Union on beginning the apprentice 120-day probationary period on the day following the end of their involvement with insulation for the non insulator apprentices in the program.	FSS	10/12/84
5. Assign Walt Marria, Tom West, and Paul Deverick as insulator supervisors.	CRG JJA EGH	10/15/84
6. Develop plan to orderly assign and train the non insulator craftspersons and organize and control the overall winterization effort.	CRG JJA	10/15/84
7. Obtain re-prioritized insulation <u>Must</u> lists from clients.	CRG JJA	10/19/84
8. Maintain up-to-date Gantt charts and review same with Maintenance Management and clients weekly.	TGW	On-going
9. Support the overall winterization effort.	Area Supts.	On-going

10/12/84