SCE&G
An ERNS Company

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Ollie S. Bradham
Vice President
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May 17, 1990

Director, Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. J. J. Hayes, Jr.

SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Steam Generator F* Report

Gentlemen:

In accordance with Virgil C. Summer Nuclear Station Technical Specification 4.4.5.5.d, please find attached a list detailing the tubes in which the F* criteria were applied subsequent to the fifth inservice eddy current examination. The examination was performed on 100% of available (not plugged) tubes in the inlet (i.e., hot leg) tubesheet region using digital multifrequency techniques. In addition, 17% of available tubes were examined over the full length of the tube (i.e., from tube end to tube end). The attached list identifies each F* tube and denotes the location and size of the degradation. The location of each degradation is measured in inches from the tube end on the hot leg or cold leg (TEH/TEC) up to the degradation. The size is given as the percent through-wall (% TWD) of the defect.

The total number of tubes in which the F* criteria were applied in each steam generator is provided in the table below.

	Steam Generator			Total
	A	B	C	
# Tubes with F* Applied (Cumulative through Refuel 5)	132	230	115	477

A001
1/1

If you have any questions, please call.

Very truly yours,

O. S. Bradham

ARR/OSB:lcd
Attachment

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South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
A	1	6	TEH	+ 6.90	94
A	2	11	TEH	+ 2.11	83
A	2	36	TEH	+ 8.36	40
A	3	10	TEH	+ 17.92	40
A	3	17	TEH	+ 15.01	40
A	3	26	TEH	+ 8.37	40
A	3	27	TEH	+ 12.78	75
A	3	36	TEH	+ 11.02	40
A	5	7	TEH	+ 17.81	40
A	5	23	TEH	+ 6.20	42
A	5	26	TEH	+ 7.34	40
A	5	77	TEH	+ 16.52	40
A	6	8	TEH	+ 16.93	40
A	6	15	TEH	+ 17.97	40
A	6	38	TEH	+ 10.06	40
A	6	47	TEH	+ 9.47	53
A	6	79	TEH	+ 11.36	61
A	7	30	TEH	+ 17.02	40
A	7	51	TEH	+ 17.12	40
A	7	60	TEH	+ 5.05	82
A	8	38	TEH	+ 18.39	40
A	8	58	TEH	+ 15.55	85
A	8	59	TEH	+ 17.85	40
A	9	36	TEH	+ 1.94	40
A	9	48	TEH	+ 1.85	62
A	9	72	TEH	+ 17.70	40
A	10	20	TEH	+ 14.18	40
A	11	60	TEH	+ 15.85	40
A	11	75	TEH	+ 16.92	41
A	12	32	TEH	+ 18.87	40
A	12	35	TEH	+ 15.96	40
A	12	51	TEH	+ 17.83	40
A	12	52	TEH	+ 16.76	40
A	13	19	TEH	+ 11.40	40
A	13	46	TEH	+ 3.40	99
A	13	60	TEH	+ 13.02	40
A	13	69	TEH	+ 10.72	40
A	15	11	TEH	+ 15.93	40
A	15	61	TEH	+ 17.77	40
A	15	98	TEH	+ 17.16	91
A	17	23	TEH	+ 4.40	40
A	17	58	TEH	+ 17.90	40
A	17	64	TEH	+ 18.82	40
A	19	29	TEH	+ 8.59	85
A	19	61	TEH	+ 14.81	40

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
A	19	84	TEH	+ 7.18	40
A	20	20	TEH	+ 14.05	40
A	20	31	TEH	+ 17.83	40
A	20	39	TEH	+ 12.97	40
A	20	51	TEH	+ 17.82	40
A	20	64	TEH	+ 5.00	72
A	21	28	TEH	+ 12.10	40
A	23	11	TEH	+ 13.44	40
A	23	49	TEH	+ 18.77	40
A	23	59	TEH	+ 17.63	40
A	23	76	TEH	+ 17.79	40
A	24	44	TEH	+ 18.71	40
A	24	52	TEH	+ 17.84	72
A	24	64	TEH	+ 6.02	53
A	24	69	TEH	+ 9.15	58
A	24	82	TEH	+ 17.69	40
A	25	46	TEH	+ 15.83	78
A	26	30	TEH	+ 17.10	40
A	26	31	TEH	+ 11.82	40
A	26	38	TEH	+ 18.79	90
A	26	42	TEH	+ 4.09	40
A	27	21	TEH	+ 12.13	40
A	27	30	TEH	+ 16.20	40
A	27	32	TEH	+ 12.99	40
A	27	44	TEH	+ 14.88	40
A	27	52	TEH	+ 16.04	66
A	27	53	TEH	+ 15.10	57
A	27	70	TEH	+ 15.77	40
A	28	17	TEH	+ 12.88	40
A	28	49	TEH	+ 13.89	40
A	28	58	TEH	+ 18.70	40
A	29	31	TEH	+ 16.80	93
A	29	38	TEH	+ 16.85	85
A	29	43	TEH	+ 14.86	40
A	29	65	TEH	+ 6.01	75
A	29	68	TEH	+ 15.70	95
A	30	35	TEH	+ 12.19	40
A	30	46	TEH	+ 5.29	52
A	31	19	TEH	+ 5.45	96
A	31	52	TEH	+ 14.06	40
A	31	56	TEH	+ 4.72	50
A	32	34	TEH	+ 13.89	40
A	32	38	TEH	+ 13.61	40
A	32	47	TEH	+ 17.79	70
A	32	48	TEH	+ 16.75	40

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
A	32	52	TEH	+ 17.99	77
A	32	64	TEH	+ 17.60	89
A	33	21	TEH	+ 17.85	40
A	33	30	TEH	+ 15.80	40
A	33	40	TEH	+ 6.99	40
A	34	19	TEH	+ 16.05	94
A	34	48	TEH	+ 15.71	40
A	35	48	TEH	+ 17.83	40
A	35	84	TEH	+ 12.32	40
A	35	86	TEH	+ 12.09	97
A	35	101	TEH	+ 18.07	98
A	36	22	TEH	+ 16.97	40
A	37	57	TEH	+ 17.74	40
A	38	41	TEH	+ 15.92	82
A	39	24	TEH	+ 2.47	40
A	39	33	TEH	+ 15.89	40
A	39	49	TEH	+ 8.90	40
A	39	53	TEH	+ 17.95	40
A	39	71	TEH	+ 16.92	40
A	39	77	TEH	+ 17.86	94
A	40	42	TEH	+ 15.03	40
A	40	69	TEH	+ 11.65	86
A	40	72	TEH	+ 16.03	40
A	41	24	TEH	+ 15.03	40
A	41	25	TEH	+ 11.92	94
A	41	71	TEH	+ 18.92	90
A	41	93	TEH	+ 6.52	40
A	41	95	TEH	+ 14.08	75
A	42	83	TEH	+ 16.85	69
A	43	25	TEH	+ 16.03	40
A	43	73	TEH	+ 12.34	86
A	43	77	TEH	+ 13.13	40
A	43	82	TEH	+ 14.92	63
A	44	26	TEH	+ 14.01	40
A	45	37	TEH	+ 4.34	40
A	45	78	TEH	+ 14.08	40
A	46	65	TEH	+ 8.12	93
A	47	72	TEH	+ 9.17	40
A	47	83	TEH	+ 16.20	68
A	47	87	TEH	+ 16.03	40
A	48	74	TEH	+ 16.86	82
A	49	82	TEH	+ 13.28	64

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
B	2	30	TEH	+ 8.99	40
B	2	35	TEH	+ 16.69	40
B	2	57	TEH	+ 18.92	40
B	2	58	TEH	+ 18.94	75
B	2	60	TEH	+ 16.81	71
B	2	75	TEH	+ 7.97	40
B	3	24	TEH	+ 16.11	40
B	3	69	TEH	+ 3.17	94
B	3	70	TEH	+ 5.28	85
B	3	71	TEH	+ 6.13	75
B	3	72	TEH	+ 3.20	60
B	4	63	TEH	+ 16.49	40
B	4	65	TEH	+ 6.07	40
B	4	67	TEH	+ 15.88	90
B	4	74	TEH	+ 5.75	60
B	4	76	TEH	+ 8.01	87
B	4	79	TEH	+ 9.28	40
B	5	62	TEH	+ 11.89	82
B	5	65	TEH	+ 18.89	84
B	5	75	TEH	+ 12.70	40
B	6	30	TEH	+ 16.74	40
B	6	40	TEH	+ 14.49	40
B	6	64	TEH	+ 6.43	60
B	6	66	TEH	+ 4.89	66
B	6	67	TEH	+ 3.51	45
B	6	72	TEH	+ 6.88	67
B	7	5	TEH	+ 13.80	40
B	7	35	TEH	+ 13.61	93
B	7	37	TEH	+ 17.70	61
B	7	41	TEH	+ 18.91	40
B	7	44	TEH	+ 7.53	59
B	7	53	TEH	+ 18.71	40
B	7	56	TEH	+ 14.81	40
B	8	31	TEH	+ 18.76	40
B	8	33	TEH	+ 4.32	40
B	8	59	TEH	+ 16.66	40
B	8	69	TEH	+ 17.93	40
B	9	21	TEH	+ 11.50	40
B	9	32	TEH	+ 8.07	40
B	10	24	TEH	+ 16.97	40
B	10	27	TEH	+ 15.87	40
B	10	57	TEH	+ 18.76	40
B	10	99	TEH	+ 4.43	82
B	10	103	TEH	+ 5.97	93
B	11	21	TEH	+ 14.82	40

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
B	11	25	TEH	+ 13.26	78
B	11	37	TEH	+ 18.81	40
B	11	40	TEH	+ 18.80	65
B	11	49	TEH	+ 16.64	40
B	11	50	TEH	+ 17.65	40
B	11	54	TEH	+ 15.65	40
B	11	55	TEH	+ 16.04	59
B	11	56	TEH	+ 10.16	56
B	11	57	TEH	+ 14.93	40
B	11	59	TEH	+ 17.66	40
B	11	104	TEH	+ 10.14	93
B	12	20	TEH	+ 13.89	40
B	12	25	TEH	+ 5.35	89
B	12	32	TEH	+ 7.56	81
B	12	49	TEH	+ 17.88	60
B	12	52	TEH	+ 13.65	40
B	12	53	TEH	+ 13.74	40
B	13	25	TEH	+ 18.24	40
B	13	28	TEH	+ 7.47	44
B	13	30	TEH	+ 17.92	40
B	14	55	TEH	+ 14.16	88
B	14	56	TEH	+ 14.76	45
B	15	17	TEH	+ 17.92	40
B	15	19	TEH	+ 17.85	40
B	15	24	TEH	+ 14.06	40
B	15	26	TEH	+ 15.84	40
B	15	27	TEH	+ 12.19	61
B	15	48	TEH	+ 15.68	40
B	15	49	TEH	+ 17.67	88
B	15	52	TEH	+ 15.45	40
B	15	53	TEH	+ 17.79	40
B	15	64	TEH	+ 12.19	40
B	16	16	TEH	+ 17.10	40
B	16	44	TEH	+ 16.93	40
B	16	52	TEH	+ 14.90	46
B	16	53	TEH	+ 17.68	40
B	16	58	TEH	+ 2.75	89
B	17	10	TEH	+ 15.85	40
B	17	12	TEH	+ 14.87	40
B	17	14	TEH	+ 15.86	40
B	17	16	TEH	+ 12.07	40
B	17	79	TEH	+ 11.06	40
B	18	8	TEH	+ 16.91	40
B	18	9	TEH	+ 15.75	40
B	18	11	TEH	+ 14.83	40

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
B	19	10	TEH	+ 16.82	40
B	19	19	TEH	+ 16.80	49
B	19	75	TEH	+ 19.36	40
B	20	20	TEH	+ 13.93	40
B	20	39	TEH	+ 11.05	40
B	20	41	TEH	+ 17.85	65
B	20	45	TEH	+ 12.91	40
B	20	51	TEH	+ 16.00	40
B	20	65	TEH	+ 18.68	40
B	21	17	TEH	+ 16.91	40
B	21	18	TEH	+ 16.76	40
B	21	20	TEH	+ 18.80	40
B	21	24	TEH	+ 14.13	40
B	21	31	TEH	+ 15.85	40
B	21	36	TEH	+ 17.69	40
B	21	39	TEH	+ 11.99	40
B	21	42	TEH	+ 17.70	40
B	21	51	TEH	+ 17.91	40
B	22	33	TEH	+ 17.95	40
B	22	100	TEH	+ 5.71	82
B	23	28	TEH	+ 17.80	40
B	23	50	TEH	+ 16.03	40
B	23	62	TEH	+ 15.10	40
B	23	79	TEH	+ 4.21	78
B	24	8	TEH	+ 2.33	72
B	24	9	TEH	+ 1.39	97
B	24	15	TEH	+ 15.31	40
B	24	20	TEH	+ 1.44	63
B	24	26	TEH	+ 16.85	40
B	24	30	TEH	+ 15.79	40
B	24	34	TEH	+ 11.92	40
B	24	37	TEH	+ 18.84	40
B	25	8	TEH	+ 13.73	40
B	25	19	TEH	+ 14.86	40
B	25	24	TEH	+ 14.77	95
B	25	56	TEH	+ 9.86	40
B	26	14	TEH	+ 2.22	64
B	26	16	TEH	+ 2.26	91
B	27	20	TEH	+ 1.44	75
B	27	21	TEH	+ 14.19	40
B	27	26	TEH	+ 11.90	40
B	27	58	TEH	+ 8.42	40
B	27	74	TEH	+ 17.04	40
B	27	89	TEH	+ 13.07	98
B	27	107	TEH	+ 2.56	60

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
B	28	28	TEH	+ 12.11	95
B	28	47	TEH	+ 10.99	40
B	28	58	TEH	+ 16.11	40
B	28	69	TEH	+ 16.63	40
B	29	28	TEH	+ 11.22	66
B	29	33	TEH	+ 16.91	40
B	29	40	TEH	+ 15.14	40
B	30	20	TEH	+ 17.84	40
B	30	25	TEH	+ 16.88	40
B	30	26	TEH	+ 18.81	40
B	30	37	TEH	+ 7.65	76
B	30	41	TEH	+ 8.22	81
B	31	15	TEH	+ 15.02	40
B	31	17	TEH	+ 16.86	40
B	31	23	TEH	+ 17.95	40
B	31	24	TEH	+ 16.68	40
B	31	27	TEH	+ 14.09	40
B	31	31	TEH	+ 13.12	98
B	31	37	TEH	+ 10.74	76
B	31	46	TEH	+ 14.77	61
B	31	55	TEH	+ 12.22	78
B	31	63	TEH	+ 15.30	71
B	31	65	TEH	+ 11.98	84
B	32	25	TEH	+ 16.26	53
B	32	26	TEH	+ 13.69	40
B	32	27	TEH	+ 16.80	40
B	32	31	TEH	+ 2.04	96
B	32	33	TEH	+ 11.26	65
B	32	57	TEH	+ 12.25	40
B	32	59	TEH	+ 15.80	40
B	32	62	TEH	+ 7.80	63
B	32	63	TEH	+ 13.06	70
B	33	26	TEH	+ 14.05	40
B	33	29	TEH	+ 3.25	98
B	33	30	TEH	+ 14.04	40
B	33	31	TEH	+ 17.90	40
B	33	32	TEH	+ 17.98	40
B	33	34	TEH	+ 15.95	40
B	33	40	TEH	+ 17.84	80
B	33	41	TEH	+ 16.72	40
B	33	43	TEH	+ 12.23	40
B	33	50	TEH	+ 8.34	40
B	33	52	TEH	+ 12.33	43
B	33	61	TEH	+ 16.13	61
B	34	17	TEH	+ 2.24	72

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
B	34	30	TEH	+ 18.88	50
B	34	33	TEH	+ 18.96	40
B	34	34	TEH	+ 18.09	40
B	34	36	TEH	+ 2.30	53
B	34	38	TEH	+ 1.27	70
B	34	40	TEH	+ 2.94	60
B	34	43	TEH	+ 1.70	60
B	34	58	TEH	+ 18.28	40
B	34	64	TEH	+ 18.79	40
B	34	72	TEH	+ 13.13	62
B	35	21	TEH	+ 15.95	40
B	35	30	TEH	+ 1.30	52
B	35	38	TEH	+ 3.32	79
B	35	44	TEH	+ 1.23	66
B	36	21	TEH	+ 16.93	40
B	36	32	TEH	+ 8.12	64
B	36	37	TEH	+ 1.22	76
B	36	44	TEH	+ 1.10	87
B	36	47	TEH	+ 13.10	40
B	36	48	TEH	+ 14.89	40
B	37	26	TEH	+ 15.15	46
B	37	42	TEH	+ 11.54	48
B	37	49	TEH	+ 3.40	66
B	37	56	TEH	+ 12.23	40
B	37	60	TEH	+ 4.99	53
B	37	71	TEH	+ 9.26	86
B	37	72	TEH	+ 12.80	40
B	38	26	TEH	+ 14.94	40
B	38	46	TEH	+ 16.96	40
B	39	78	TEH	+ 1.82	95
B	40	44	TEH	+ 7.96	79
B	40	46	TEH	+ 1.60	75
B	40	62	TEH	+ 16.13	40
B	40	67	TEH	+ 17.00	100
B	40	71	TEH	+ 16.72	70
B	42	39	TEH	+ 18.66	40
B	42	41	TEH	+ 14.87	40
B	42	43	TEH	+ 14.33	52
B	42	44	TEH	+ 16.84	87
B	44	35	TEH	+ 11.17	40
B	44	42	TEH	+ 18.83	94
B	46	80	TEH	+ 4.22	40
B	47	33	TEH	+ 2.67	40
B	47	49	TEH	+ 15.51	41
B	48	34	TEH	+ 18.10	50

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
B	48	42	TEH	+ 7.26	40
B	49	37	TEH	+ 6.19	40
B	49	43	TEH	+ 16.10	40
B	49	47	TEH	+ 11.00	40
B	49	51	TEH	+ 8.10	40

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
C	1	17	TEH	+ 14.86	89
C	1	35	TEH	+ 1.27	94
C	1	55	TEH	+ 1.28	89
C	1	64	TEH	+ 4.88	81
C	1	68	TEH	+ 6.68	40
C	3	73	TEH	+ 18.94	40
C	3	93	TEH	+ 15.45	97
C	4	5	TEH	+ 18.03	40
C	4	15	TEH	+ 13.09	40
C	4	27	TEH	+ 17.96	40
C	4	94	TEH	+ 2.09	86
C	5	13	TEH	+ 18.85	40
C	5	19	TEH	+ 18.99	40
C	5	74	TEH	+ 2.22	50
C	6	14	TEH	+ 11.94	67
C	6	15	TEH	+ 14.01	74
C	6	19	TEH	+ 18.94	40
C	6	102	TEH	+ 16.50	72
C	6	112	TEH	+ 2.14	40
C	7	35	TEH	+ 11.30	40
C	8	20	TEH	+ 18.97	40
C	8	25	TEH	+ 17.98	40
C	8	44	TEH	+ 18.86	40
C	8	67	TEH	+ 18.26	53
C	9	22	TEH	+ 17.74	40
C	9	36	TEH	+ 14.97	40
C	9	41	TEH	+ 16.19	40
C	9	42	TEH	+ 12.98	40
C	9	43	TEH	+ 13.13	40
C	9	47	TEH	+ 5.99	40
C	9	53	TEH	+ 18.88	85
C	9	83	TEH	+ 12.96	40
C	11	5	TEH	+ 16.93	40
C	11	10	TEH	+ 15.95	40
C	11	17	TEH	+ 15.82	40
C	11	22	TEH	+ 18.19	40
C	11	74	TEH	+ 16.78	40
C	12	10	TEH	+ 16.02	40
C	12	43	TEH	+ 16.79	40
C	12	46	TEH	+ 15.83	40
C	13	3	TEH	+ 18.86	40
C	13	7	TEH	+ 13.11	40
C	13	17	TEH	+ 14.98	40
C	13	25	TEH	+ 15.13	40
C	13	45	TEH	+ 14.88	40

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
C	13	88	TEH	+ 16.91	40
C	13	104	TEH	+ 18.85	94
C	14	26	TEH	+ 17.09	40
C	15	20	TEH	+ 18.86	40
C	15	46	TEH	+ 16.89	55
C	16	9	TEH	+ 9.35	40
C	16	38	TEH	+ 14.50	40
C	16	45	TEH	+ 15.83	40
C	17	7	TEH	+ 16.03	40
C	17	13	TEH	+ 18.87	40
C	17	37	TEH	+ 13.97	40
C	17	47	TEH	+ 6.31	40
C	18	12	TEH	+ 16.88	40
C	18	18	TEH	+ 19.20	40
C	19	9	TEH	+ 17.90	40
C	19	18	TEH	+ 19.30	40
C	19	20	TEH	+ 13.16	40
C	19	71	TEH	+ 9.33	40
C	20	29	TEH	+ 17.98	40
C	20	30	TEH	+ 14.11	40
C	20	31	TEH	+ 2.27	40
C	20	69	TEH	+ 16.21	40
C	20	78	TEH	+ 17.62	40
C	21	5	TEH	+ 17.92	40
C	21	42	TEH	+ 11.98	40
C	21	62	TEH	+ 16.21	80
C	22	25	TEH	+ 14.30	40
C	22	52	TEH	+ 5.20	40
C	22	58	TEH	+ 13.94	40
C	22	102	TEH	+ 18.84	80
C	23	59	TEH	+ 17.99	52
C	23	76	TEH	+ 14.84	40
C	23	83	TEH	+ 17.93	40
C	24	85	TEH	+ 16.82	40
C	24	100	TEH	+ 17.76	66
C	25	30	TEH	+ 15.82	40
C	25	46	TEH	+ 13.89	40
C	26	25	TEH	+ 18.18	40
C	26	44	TEH	+ 15.78	93
C	26	55	TEH	+ 15.90	40
C	27	45	TEH	+ 14.82	40
C	27	47	TEH	+ 15.13	40
C	27	58	TEH	+ 8.23	40
C	27	59	TEH	+ 9.40	40
C	27	70	TEH	+ 8.16	40

South Carolina Electric & Gas
V C Summer Station
Steam Generator Tube Inspection
F* Applied

ID	Row	Column	Degradation Location		% TWD
C	27	71	TEH	+ 8.32	40
C	28	48	TEH	+ 14.85	40
C	28	56	TEH	+ 13.99	40
C	31	37	TEH	+ 14.50	40
C	31	47	TEH	+ 16.94	40
C	31	75	TEH	+ 18.11	40
C	32	14	TEH	+ 15.86	40
C	32	22	TEH	+ 17.95	40
C	32	25	TEH	+ 14.60	40
C	32	30	TEH	+ 15.03	40
C	32	34	TEH	+ 12.10	40
C	32	35	TEH	+ 7.55	40
C	32	57	TEH	+ 13.98	91
C	32	62	TEH	+ 10.25	50
C	32	86	TEH	+ 11.97	40
C	35	18	TEH	+ 16.00	40
C	35	31	TEH	+ 18.03	40
C	35	35	TEH	+ 18.04	40
C	39	48	TEH	- 7.36	40
C	41	85	TEH	+ 5.29	40
C	42	33	TEH	+ 15.35	40
C	44	63	TEH	+ 11.27	40
C	45	75	TEH	+ 16.03	93
C	47	87	TEC	+ 3.94	93
C	48	35	TEH	+ 3.39	78