UNC MINING AND MILLING

Division of United Nuclear Corporation
A UNC RESOURCES Company

Church Rock Operations
P.O. Drawer QQ

Gallup, New Mexico 87301
Telephone 505/722-6651

March 6, 1981

Mr. Thomas Baca, Director
Environmental Improvement Division
Post Office Box 968
Santa Fe, New Mexico 87501

Dear Mr. Baca:

The purpose of this letter is to outline the measures taken by UNC to control seepage at its Churchrock facility. UNC believes that the substantial accomplishment made to date supports a finding of good cause to allow continued discharges from the Company's Churchrock mill facility. Accordingly, UNC requests an extension of time to continue operating without an approved discharge plan.

On January 22, 1981 UNC and EID personnel met to discuss the field measures feasible by March 11. UNC outlined its committment to commence drilling of wells to create a chain of wells that ultimately will form the interlocking cones of depression necessary to effectively intercept seepage, some of which could be completed by March 11. In addition, the problems posed by the geological formations at the site were identified and field visits planned. Well drilling has commenced and field visits have been conducted.

DRILLING AND PUMP DATA
SINCE JANUARY 9, 1981

The plan implemented was to establish the interlocking well chain and to drill new wells between existing northern wells TWQ-115D and TWQ-148. To date, three new wells have been drilled and as of this date a fourth well is being drilled. In addition, fourteen monitoring wells have been drilled and apparatus has been installed which permits the pumping of intercepted seepage back to the tailings area. The results of this drilling and the pump data generated thus far are encouraging and indicate the present ability of UNC to intercept seepage by an outreaching cone of depression.

The most complete data to date for the recent wells are from Well 402 near well TWQ-115. Well 402 is installed near the heart of the northern reaches of the existing plume, and currently pumps about 8 g.p.m. The observation to date since pumping commenced on February 27 indicates drawdown effects to monitoring wells as much as 125 feet from Well 402. The drawdown curves and other technical data on this well are included within data submitted to the Division herewith.

UNC has drilled two other wells adjacent to Well 402. These are identified as Wells 401 and 403. These wells were drilled during the same time as Well 402. The purpose of this simultaneous drilling has been to increase the likelihood of having in place a well such as Well 402 by March 11. That is, UNC undertook to drill more than one well during the extension period to avoid the risk that the drilling of one well alone might not tap a producing horizon or, as was the case with Well 403, not show results owing to equipment failure. Although Well 401 did not result in significant yields, efforts are continuing in an attempt to further develop this well. UNC proposes to pump this well at a lower rate to adjust to the low level of flow encountered at this location. Well 403 is currently being redrilled as a result of equipment difficulties encountered during the start up of pumping. As these are corrected, it will be pumped and the results reported.

UNC now has Well 402 with a demonstrable drawdown of 125 feet which is currently pumping intercepted seepage back to the tailings area at a rate which approaches 12,500 gallons per day. The location of the next wells, with respect to the creation of the interlocking chain of wells can now be more accurately determined.

In addition to the northern plume wells, UNC, as stated in its January 20 outline, has continued operation of the Central Cell seepage interception system. Specifically, Wells 304, 323A, 335 and 340 have been pumped and extensive chemical and drawdown data are available and being submitted to the Director and his staff. In sum, this data shows as expected, drawdown as a result of pumping which, combined with a decrease in seepage (to be addressed below) has combined to significantly reduce the outflow of unsatisfactory water. The Central Cell system supports the proposition that considered by UNC to be sufficient to demonstrate that seepage is being effectively controlled. When combined with the pumping and drawdown of the northern wells, as well as the reduction in seepage from the disposal area itself, the Central Cell seepage interception system is a significant contribution to the overall operation. Pumping of the Central Cell wells alone during the month of February has amounted to approximately 1,075,000 captured gallons returned to the disposal area. In addition, as explained in UNC's submittal to the Director dated March 5, 1981 UNC has accomplished extensive refinement and improvement of the estimation of the amount of seepage and the amount being pumped back to the disposal areas. Consequently, UNC is able to state that there has been at least a twofold reduction in the amount of seepage captured. Moreover, UNC is intercepting unsatisfactory water from its central cell wells at a rate which exceeds the amount of seepage from the borrow pits in the mill tailings area. There is indication that the disposal area (Borrow Pit 1) now substantially lined with slimes, is able to retain more liquids. During the extension period, there has been an increase in the fluid levels being retained in the disposal area.

The demonstrable field results to date then show:

(1) There has been a twofold reduction in the amounts seeping from the disposal area. UNC is intercepting more seepage than is lost from the borrow pit.

(2) There has been an increase in the amount of liquid being retained in the disposal area such that the two foot elevation increase granted on January 21 has proven necessary.

(3) The pumping of the existing central cell wells has continued uninterrupted and drawdown configurations can be defined.

(4) The northern plume now contains a seepage interception well currently pumping as much as 11 g.p.m. Drawdown has been observed in a monitoring well 125 feet away from the seepage collection well.

It is submitted these results show improvement and progress during the extension period. By these results it is evident that the difficulties posed by the seepage problem can be and are being brought under control.

In addition to these actual results there is an additional measure taken by UNC. On March 6, 1981 it submitted to the Director its committment to not permit use of water wells for domestic purposes on that portion of Section 36 governed by its business lease. Furthermore, UNC has unequivocally committed to cleaning up and restoring the aquifers affected by its operations.

There is, additionally, the matter of wells not controlled by UNC. To date, there has been no cause known to believe that any well within a twenty-five mile radius used for domestic or stock or agricultural purposes has been the location of a withdrawal of contaminated water.

In the Churchrock area the following wells are located in the Gallup formation:

NAME and OWNERSHIP: 15T-303; The Navajo Tribe
LOCATION: Section 31, T17N, R15W; 1.75 miles Northeast of tailings area
COMPLETION: Depth - 614 feet; steel casing to 537 feet; perforation through 134' of Kg
AQUIFER: Gallup, development test 23 gpm; pump rate 2-3 gpm
USE: Domestic stock

NAME & OWNERSHIP: Training School Well; Kerr-McGee
LOCATION: Section 36, T17N, R16W; 2,000 feet Northeast of tailings area
COMPLETION: Depth - 455 feet; steel casing to 250 feet; perforations from 200-250 annulus gravel packed from bottom to near surface.
AQUIFER: Lower Gallup; development pump rate - 2 gpm
USE: None

NAME & OWNERSHIP: Friendship 1; the Navajo Tribe
LOCATION: Section 35, T17N, R16W; 1.25 miles Northwest of tailings area
COMPLETION: Depth - 747 feet; steel casing to 747 feet; perforations last 40 feet; annulus gravel packed from bottom to near surface;
AQUIFER: Upper and lower Gallup; development pump rate - 50 gpm; pump rate - 7 gpm
USE: Domestic/stock

By identifying the location of these wells UNC does not intend to underestimate the seriousness of the problem it is committed to control and remedy. However, UNC believes that the unlikelihood of withdrawal of unsatisfactory water from nearby wells is a factor to be weighed by the Director.

Based upon the progress made by UNC in the operation of its seepage interception program to date, UNC requests an extension of time to continue operations during review of its discharge plan. UNC's seepage interception program can best be properly evaluated and improved on a continuing basis if the Company is allowed to operate.

In your letter of January 21, 1981, you requested submission of: (1) water quality data obtained during the operation of UNC's seepage control system; (2) total gallons pumped per day by each collection well; (3) water levels of specified wells.

Accordingly, we are transmitting preliminary water quality data for the parameters requested for the North Area Monitoring Wells, the North Area Pumping Wells, and the Central Cell Wells. Data showing daily samples for Ph and electrical conductivity from the Central Cell Pumping Wells is also included.

UNC also submits the Daily Pumping Record for the Seepage Collection Wells 304, 323A and 340 during the entire month of February and early March.

Finally, graphs of water levels in specified wells are submitted.

Mr. Baca, United Nuclear is very pleased with the results to date at Well 402, which indicates that a cone of depression is being created in the heart of the plume area to the north. We would like to bring into production wells flanking 402 and drill and complete any additional wells indicated by the drawdown data. This should complete the intercept system across the north plume. United Nuclear has also discussed with your staff the possible need for a pumping well north of well 304. Well 304 is on the east side of borrow pit 2. A pumping well north of Well 304 would decrease the possibility of seepage going into Section 1. United Nuclear has several wells drilled north of Well 304, but pumps have not yet been installed. While there may be little flow in this area, United Nuclear proposes pump installation and pumping at one of the wells north of Well 304.

Very truly yours,

Thomas F. Bailey

TFB/mjc
Attachments

NORTH AREA MONITOR WELLS

Well:	136	136	137	138	138	139	140	141	141
Date:	2-19-81	2-19-81	2-19-81	2-20-81	2-20-81	2-20-81	2-20-81	2-21-81	2-21-81
Aluminum	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cobalt	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Manganese	1.45	1.53	0.67	0.50	0.53	0.87	0.73	0.82	0.79
Molybdenum	0.004	0.005	0.142	0.1	<0.1	0.2	0.3	<0.1	0.1
Uranium	0.17	0.05	0.10	0.04	0.05	0.12	0.21	0.14	0.14
Sulfate	1,804.6	1,805.6	775.4	1,887.9	1,875.1	1,913.6	607.6	591.8	604.2
Tot. Dis. Solids	3,404.3	3,436.0	1,632.0	3,274.3	3,258.3	3,087.5	1,129.0	992.5	978.8
pH	7.65	7.88	7.16	8.04	7.99	7.84	8.04	8.14	8.05
Conductivity	2,700	2,950	1,500	2,600	2,830	2,600	1,200	1,120	1,120

Well:	142	142	143	143	144	145	147	148	149
Date:	2-21-81	2-21-81	2-21-81	2-21-81	2-21-81	2-21-81	2-20-81	2-20-81	2-18-81
Aluminum	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Cobalt	<0.001	0.003	0.001	<0.001	<0.001	<0.001	<0.001	0.138	0.182
Iron	<0.01	0.01	<0.01	0.03	0.13	0.03	<0.01	0.01	0.01
Manganese	0.01	<0.01	0.09	0.10	0.08	0.98	0.09	3.00	3.60
Molybdenum	<0.1	<0.1	0.2	0.2	0.1	10.3	2.7	8.1	16.500
Uranium	0.03	0.04	0.14	0.16	0.11	0.28	0.05	0.53	0.86
Sulfate	738.1	630.3	612.5	491.8	488.0	2,703.3	564.8	3,105.3	2,333.1
Tot. Dis. Solids	995.8	1,006.8	953.0	953.5	1,097.8	4,255.5	1,026.8	5,189.5	4,465.0
pH	8.20	8.28	8.14	8.11	7.68	7.36	8.27	6.56	6.65
Conductivity	1,180	930	1,150	1,200	1,250	2,930	1,080	3,800	3,490

NORTH AREA MONITOR WELLS

Well:	149	150	151
Date:	2-18-81	2-22-81	2-22-81
Aluminum	<0.1	0.2	<0.1
Cobalt	0.186	0.080	<0.001
Iron	<0.01	10.00	0.01
Manganese	3.30	5.30	1.33
Molybdenum	17.600	5.7	<0.1
Uranium	0.86	0.14	0.07
Sulfate	2,292.9	2,941.3	1,130.3
Tot. Dis. Solids	4,454.3	5,296.8	1,724.3
pH	6.84	6.26	7.58
Conductivity	3,780	3,780	1,580

Well:
Date:
Aluminum
Cobalt
Iron
Manganese
Molybdenum
Uranium
Sulfate
Tot. Dis. Solids
pH
Conductivity

NORTH AREA PUMPING WELLS

Well: Date:	401 2-18-81	401 2/27/81	402 2-9-81	402 2-27-81	402 2-28-81	402 3-1-81	402 3-2-81	402 3-3-81
Aluminum	<0.1	0.1	0.01	<0.1	<0.1	<0.1	<0.1	<0.1
Cobalt	0.157	0.12	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	<0.01	0.79	0.04	0.06	1.07	1.71	0.85	1.77
Manganese	2.90	3.10	0.368	0.42	0.92	1.03	0.97	1.17
Molybdenum	13.900	17.300	0.075	0.149	0.197	0.224	0.204	0.224
Uranium	1.10	1.08	0.10	0.10	0.11	0.10	0.10	0.10
Sulfate	2,297.9	2,535.6	1,449.9	1,470.0	1,455.9	1,498.7	1,474.2	1,530.6
Tot. Dis. Solids	4,210.3	4,633.5	2,493.3	4,019.3	2,580.3	2,630.8	2,581.5	2,620.3
pH	7.81	6.50	7.80	7.04	6.76	6.75	6.67	6.71
Conductivity	3,310	3,830	2,440	2,510	2,380	2,450	2,320	2,440

Well: Date:
Aluminum
Cobalt
Iron
Manganese
Molybdenum
Uranium
Sulfate
Tot. Dis. Solids
pH
Conductivity

NORTH AREA MONITOR WELLS

Well:	103A	104D	1100	1100	111D	114	115	116D	116D
Date:	2-17-81	2-17-81	2-22-81	2-22-81	2-19-81	2-13-81	2-13-81	2-19-81	2-19-81
Aluminum	<0.1	<0.1	0.2	0.2	<0.1	<0.01	54.30	<0.1	0.1
Cobalt	<0.001	<0.001	0.011	0.012	0.007	<0.001	0.023	0.015	0.071
Iron	0.03	<0.01	0.53	0.55	<0.01	2.16	4.34	0.20	0.09
Manganese	0.90	0.57	0.96	0.97	0.54	6.400	13.200	1.45	1.54
Molybdenum	0.001	0.002	<0.1	<0.1	0.006	0.002	<0.001	0.010	0.008
Uranium	0.10	0.11	0.40	0.40	0.13	<0.01	0.42	0.20	0.09
Sulfate	1,047.8	1,120.4	2,085.2	2,089.9	1,862.7	2,419.3	3,475.9	1,765.8	1,766.4
Tot. Dis. Solids	2,456.0	2,330.0	3,683.0	3,630.3	3,255.8	3,980.8	5,583.5	3,115.8	3,233.0
pH	7.32	7.33	6.43	6.37	7.56	6.88	4.26	6.81	6.69
Conductivity	2,530	2,280	2,750	2,530	2,600	3,580	4,670	2,320	2,490

Well:	117D	1170	118	123	123	124	124	126	127
Date:	2-18-81	2-18-81	2-13-81	2-23-81	2-23-81	2-22-81	2-22-81	2-13-81	2-14-81
Aluminum	<0.1	<0.1	0.01	3.1	3.3	1,590.0	1,580.0	1.03	0.18
Cobalt	<0.001	<0.001	0.001	0.242	0.230	3.151	3.217	0.003	0.001
Iron	<0.01	<0.01	0.05	0.41	0.33	2,300.0	2,100.00	0.19	0.21
Manganese	4.20	4.00	1.128	3.00	3.00	102.00	101.00	1.450	1.833
Molybdenum	0.050	0.003	0.093	<0.1	<0.1	0.8	0.8	0.028	0.019
Uranium	0.04	0.05	0.11	0.06	0.06	8.12	7.88	0.04	0.09
Sulfate	1,984.3	2,008.4	1,785.9	2,587.8	2,622.6	23,447.3	22,486.8	2,920.5	2,783.3
Tot. Dis. Solids	3,289.8	3,330.3	3,244.0	4,144.5	4,188.0	33,710.0	33,403.0	4,851.5	4,993.0
pH	7.45	7.11	6.75	5.04	5.11	1.97	1.95	5.40	6.11
Conductivity	2,630	2,620	3,110	3,700	3,700	15,000	15,000	4,260	4,090

CENTRAL CELL WELLS

Well:	13-D	304	313	317	323-A	340	341
Date:		3-3-81	3-3-81	3-4-81	3-3-81	3-3-81	
Aluminum	46.1	0.6	290.0	1,720.0	1,540.0	940.0	2,530.0
Cobalt	0.03	0.15	1.50	2.35	3.24	4.03	7.10
Iron	1.85	0.54	2.09	710.00	880.00	645.00	482.00
Manganese	7.10	35.00	31.00	90.00	126.00	142.00	675.00
Molybdenum	<0.001	<0.001	0.002	0.019	0.018	0.014	0.016
Uranium	0.03	0.11	0.11	2.46	4.12	4.12	7.48
Sulfate	2,877.9	3,848.1	4,991.9	15,916.8	16,059.2	4,926.1	6,780.5
Tot. Dis. Solids	4,230.5	7,610.3	11,049.5	25,693.5	23,946.3	16,478.5	36,506.5
pH	4.27	6.20	4.15	2.88	2.19	3.73	3.55
Conductivity	3,320	6,500	8,100	13,000	13,000	8,900	14,000

Well:
Date:
Aluminum
Cobalt
Iron
Manganese
Molybdenum
Uranium
Sulfate
Tot. Dis. Solids
pH
Conductivity

Central Cell Pumping Wells

	well 304		well 323A		well 335		well 340	
	pH / Conductivity		pH / Conduc		pH/Cond		pH/Cond	
1-3-81	6.31	4900	2.20	11,000	2.00	12,600		
1-6-81	6.44	5,200	2.26	12,300	2.04	13,000		
1-7-81	6.26	5400	2.21	12,700	2.00	13,700		
1-8-	6.03	5,500	2.31	12,200	2.13	13,600		
1-9	6.28	5500	2.35	12,900	2.16	13,800		
1-12	6.22	5800	2.30	13,000	2.13	13,500		
1-12	6.27	5100						
1-13	6.30	5000	2.31	12,900	2.14	13,000		
1-13	6.22	5000						
1-14	6.39	6,100	2.37	13,500	2.20	14,000		
1-14	6.39	5,600						
1-15	6.37	5,900	2.39	12,300	2.16	13,100		
1-15	6.33	5,900						
1-19	6.21	6,000	2.39	13900	2.17	13,800		
1-19	6.22	5,300						
1-20	6.31	6,300	2.34	13000				
1-20	6.26	6,000	2.30	12,000				
1-21	6.37	5,600						
1-21	6.29	6000						
1-22	6.29	6,200	2.36	13,100				
1-23	6.23	6,200					3.84	12,100
1-23	6.33	6,000	2.37	[illegible]			3.82	12,000
1-26	6.32	6,200	2.35	12,900			3.76	8,400
-26	6.24	6,300						
1-27	6.30	6,900	2.37	12,900			3.84	8,900
	6.30	5,900						
1-28	6.28	6,800	2.40	13,500			3.72	8,300
	6.28	6,700						
1-29	6.26	6,500	2.37	7,900			3.77	7,900
	6.28	5500						
1-30	6.53	6,200	2.39	12,300			3.80	7500
2-2	6.46	6,800	3.78	9000			3.78	8,000
2-3	6.27	6,700	2.37	13,700			3.76	8,200
2-4	6.29	6,200	2.33	12,900			3.79	7,600
2-5	6.34	6,300	2.34	12,200			3.77	7,800
2-6	6.31	6,000	2.34	12,400			3.76	7,500
2-9	6.33	5,600	2.25	10,500			3.88	7,000
2-10	6.33	6,500	2.38	13,200			3.75	8,100
2-11	6.42	7,000	2.35	13,200			3.75	8,600
2-12	6.34	7,000	2.35	13,600			3.73	8,500
2-13	6.23	6,400	2.37	13,500			3.79	8,100
2-16	6.38	6,200	2.28	12,400			3.74	8,000
2-17	6.35	6,600	2.30	13,200			3.71	9,600
2-18	6.36	6,600	2.27	13,000			3.72	8,400
2-19	6.31	6,800	2.26	13,000			3.73	8,100
-20	6.16	5,800	2.33	12,000			3.81	7,500
23	6.26	5,000	2.30	10,000			3.81	6,000

2-24	6.61	6300	2.39	13,000	3.78	8,300
25	6.50	6,000	2.37	13,100	3.76	8,200
26	6.49	6,200	2.35	12,000	3.76	8,300
27	6.42	6,200	2.30	12,500	3.74	8,500
3-2	6.26	6,300	2.23	12,200	3.69	7,300
3-3	6.19	5,700	2.19	12,100	3.72	8,000
3-3	6.29	6,500	2.19	13,000	3.73	8,900
-4	6.42	6,600	2.23	13,000	3.72	9,000
-5	6.35	6,600	2.24	12,900	3.72	9,000
-6	6.28	4,800	2.11	10,800	3.82	8,500

DAILY PUMPING RECORD FOR THE SEEPAGE COLLECTION WELLS

1981 Date	Well No.	Hours Pumped	Avg. G.P.M.	Total Gallons	Well No.	Hours Pumped	Avg. G.P.M.	Total Gallons	Well No.	Hours Pumped	Avg. G.P.M.	Total Gallons
2/1	340	24	4.10	5908	304	22	20.02	26430	323A	8	3.01	1447
2/2	340	24	3.80	5466	304	24	15.48	22296	323A	2.5	16.13	2420
2/3	340	24	3.83	5515	304	24	14.94	21516	323A	15	14.54	13086
2/4	340	24	3.87	5576	304	24	14.43	20782	323A	24	9.92	14290
2/5	340	24	4.09	5895	304	24	13.33	19197	323A	24	9.24	13304
2/6	340	24	3.98	5725	304	24	12.88	18543	323A	24	8.49	12219
2/7	340	24	3.99	5750	304	24	12.89	18568	323A	24	8.32	11980
2/8	340	24	4.05	5838	304	24	13.43	19340	323A	23	8.31	11467
2/9	340	24	4.01	5781	304	24	13.41	19312	323A	23	14.56	20090
2/10	340	24	3.91	5627	304	24	12.81	18450	323A	24	7.20	10362
2/11	340	24	4.00	5768	304	24	12.87	18529	323A	24	6.63	9550
2/12	340	24	3.80	5468	304	24	12.73	18337	323A	24	8.49	12221
2/13	340	24	3.83	5517	304	24	12.16	17516	323A	8	2.98	1431
2/14	340	24	4.18	6025	304	24	17.51	25217	323A	20	9.27	11127
2/15	340	24	3.56	5130	304	24	13.32	19183	323A	24	7.88	11352
2/16	340	24	3.85	5550	304	24	14.44	20797	323A	24	7.58	10918
2/17	340	24	3.90	5614	304	22	15.08	19900	323A	24	6.65	9576
2/18	340	24	3.83	5516	304	24	14.58	20999	323A	24	4.82	6942
2/19	340	24	3.86	5562	304	24	14.13	20353	323A	22	4.75	6269
2/20	340	24	4.00	5760	304	24	12.00	17280	323A	24	12.0	17280
2/21	340	24	4.00	5760	304	24	12.00	17280	323A	24	12.0	17280
2/22	340	24	5.00	7200	304	16	12.50	12000	323A	24	12.0	17280
2/23	340	24	5.00	7200	304	24	15.00	21600	323A	24	15.0	21600
2/24	340	24	5.00	7200	304	24	14.00	20160	323A	24	15.0	21600
2/25	340	24	5.00	7200	304	24	14.00	20160	323A	24	15.0	2.500
2/26	340	24	5.26	7572	304	24	12.00	17280	323A	24	15.0	21600
2/27	340	24	5.20	7488	304	24	10.71	15422	323A	22	11.37	15003
2/28	340	24	5.00	7200	304	24	10.34	14890	323A	24	15.79	22738
FEB. TOTAL	340			169,811	304			541,337	323A			366,032

DAILY PUMPING RECORD
FOR THE SEEPAGE COLLECTION WELLS

1981 Date	Well No.	Hours Pumped	Avg. G.P.M.	Total Gallons	Well No.	Hours Pumped	Avg. G.P.M.	Total Gallons	Well No.	Hours Pumped	Avg. G.P.M.	Total Gallons
3/1	340	24	5.17	7445	304	24	12	17280	323A	24	13.64	19642
3/2	340	24	5.17	7445	304	24	12.5	18000	323A	24	15.00	21600
3/3	340	24	4.94	7114	304	24	12.63	18187	323A	24	14.46	20822
3/4	340	24	5.50	7920	304	24	11.65	16776	323A	24	13.33	19195
3/5	340	24	5.48	7891	304	24	11.65	16776	323A	24	12.90	18576
3/6	340	24	5.22	7517	304	24	11.65	16776	323A	24	13.19	18994

N Church Rock Mill

X = Operating Days   O = Down Days

Days	Oct.'80	Nov.'80	Dec.'80	Jan.'81	Feb.'81	Oct.1,1980 thru Feb.23,1981
1	X	O	X	O	O	
2	X	O	O	O	X	
3	X	O	X	O	X	
4	O	O	X	O	X	
5	O	X	X	X	X	
6	O	X	O	X	X	
7	O	X	O	X	O	
8	X	X	X	X	O	
9	X	X	X	X	O	
10	X	X	X	O	O	
11	X	X	X	O	X	
12	X	X	X	X	X	
13	O	X	O	X	X	
14	X	X	O	X	X	
15	X	O	X	X	O	
16	O	O	X	X	O	
17	X	X	X	O	X	
18	O	X	X	O	X	
19	O	X	X	X	X	
20	O	X	X	X	X	
21	X	X	X	X	X	
22	X	X	X	X	O	
23	X	O	X	X	X	
24	X	X	X	O		
25	X	X	O	O		
26	X	X	O	X		
27	X	O	O	X		
28	X	O	O	X		
29	X	O	X	X		
30	X	O	X	X		
31	X		X	O		
Operating Days	22	19	22	20	15	98
Down Days	9	11	9	11	8	48
Total	31	30	31	31	23	146

UNC - EID Meeting
March 6, 1981

MAXINE GOAD	EID	Water Pollution Contro[l]
Thomas M. Hill		
TOM BAILEY	UNC	
STANLEY GROUT	BSCC+D	
[illegible] Pierce	EID	WPCB
John [illegible]	Duvel & ASSOC	
[illegible] CLAYTON	EID	
G.A. SICKANQUIST	UNC	
G.W. STEWART	NMEID - RAD	
Ron Conrad	"	H2O
Rick Raymond	"	"
[illegible] H. Billings	SAI	
Tom [illegible]	EID	
Donald G. Silsa	SAI	