

UNC MINING AND MILLING



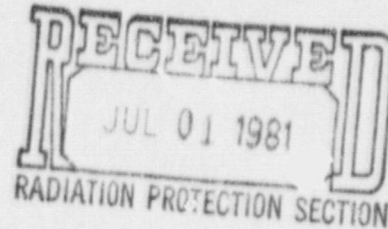
Division of United Nuclear Corporation
A **UNC RESOURCES** Company

P.O. Box 3951
Albuquerque, New Mexico 87190

6000 Uptown Blvd. N.E.
Suite 116
Albuquerque, NM 87110

June 30, 1981

505-884-1869



Cubia L. Clayton
NM Environmental Improvement Division
P.O. Box 968
Santa Fe, NM 87503

Dear Mr. Clayton:

RE: NECR TAILINGS IMPOUNDMENT - WEEKLY REPORT
June 21, 1981 to June 27, 1981

To ensure compliance with NMEID letters dated October 23 and 31, 1979, and January 21, 1981; the NRC Order dated October 26, 1979; and the State Engineer's letter dated February 29, 1980, the following documents are forwarded for the week of operations from June 21st through June 27th.

Sincerely,

Thomas M. Hill
Thomas M. Hill *bm*
Director, Tailings Management

TMH:bm

cc: Fred R. Allen
John D. Nelson

UNC MINING AND MILLING



Division of United Nuclear Corporation
A **UNC RESOURCES** Company

Chemical Rock Operations
P.O. Box 100

Gallup, New Mexico 87301
Telephone 505/722-6651

June 29, 1981

State of New Mexico
Natural Resources Department
Water Resources Division
Bataan Memorial Building
Santa Fe, NM 87504

Attention: Mr. S. E. Reynolds

Re: NECR Tailings Impoundment Weekly Report
June 21, 1981 to June 27, 1981

Gentlemen:

The following documents are submitted herewith relating to the weekly monitoring of conditions at the UNC Northeast Church Rock operations for the week ending June 27, 1981.

- Section 1. Liquid Surface Elevations
- Section 2. Open Well Piezometer Readings
- Section 3. Survey Measurements
- Section 4. Hall Piezometer Readings
- Section 5. Freeboard Readings
- Section 6. Freeboard Summary Sheet for levels in the northern and southern cells and the borrow pit area
- Section 7. Water Quality Analysis for Monitoring Wells 201, 202, 203, 204, and 205
- Section 8. Operator's Inspection Sheets for starter dam, north and south cross-dikes
- Section 9. Evaporation and Precipitation Data
- Section 10. Water level data in and around the tailings impoundment area



State of New Mexico
Water Resources Division
June 29, 1981
Page Two

Section 11. Daily pumping record for the seepage
collection wells

The monitoring survey (UNC Monitor Run #26) which provides slope distances and vertical measurements to monitoring stations placed on the existing tailings dam and cross-dikes was conducted using the same five primary control monuments and known bench marks in the vicinity of the dam as in the past. Elevations were based on measurements from a precise automatic level and the distances from electronic distance meters which give an accuracy of plus or minus three-hundredths (± 0.03) of a foot or better. The survey and other measurements and computation works were done in part by me and in total under my direct supervision, and I believe that the monitoring survey is sufficient to measure any movement of the dam.

If you should have any questions regarding this weekly report, please do not hesitate to contact me.

Sincerely,

Satya Deb Misra

Satya Deb Misra, P.E.
Senior Engineer, Tailings

SDM/cr

Enclosures



SECTION 1

Liquid Surface Elevations

POND LIQUID SURFACE ELEVATIONS

DATE	NORTH POND	CENTRAL POND	SOUTH POND	WEST BORROW PIT #1	EAST BORROW PIT #2	OBSERVER
LAST READING PREVIOUS REPORT	Dry	*	6940.47	6965.92	6964.22	G.O.
6-22-81	Dry	*	40.35	65.75	64.29	C.T.
6-23-81	Dry	*	40.33	66.14	64.37	G.O.
6-24-81	Dry	*	40.32	66.00	64.20	C.T.
6-25-81	Dry	*	40.30	66.27	64.11	G.O.
6-26-81	Dry	*	40.29	65.84	64.24	C.T.

NOTES * Indicator boards in sands. No standing liquid.
 Solution level increased to elevation 6967.00 has been permitted in the East and West Borrow Pits.

SECTION 2

Piezometer Readings

OPEN WELL PIEZOMETER READINGS

[illegible]

OPEN WELL PIEZOMETER READINGS

[illegible]

SECTION 3

Survey Measurements

SECTION A.

Slope Distances

INSTRUMENT STATION A

RUN NO.	2 (18)	#25	#26				
INSTRUMENT		HP-3805A	HP-3805A				
DATE		6-17-81	6-24-81				
TIME		7:30 a.m.	8:30 am				
H. M.	7029.46	7029.45	7029.45				
WEATHER		Clear	Clear				
TEMP.		52°F.	65°F				
PRESSURE							
	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.
"O"	4012.272	4012.107	4012.110				
S1	(2718.420)	2718.471	2718.463				
S2	(2623.197)	2623.127	2623.127				
S3	(2431.743)	2431.743	2431.749				
S4	(2244.637)	2244.579	2244.582				
S5	(2061.726)	Destroyed	-				
S6	(1867.090)	1866.857	1866.877				
S7	(1677.429)	1677.347	1677.351				
S8	1491.480	1491.422	1491.422				
S9	1308.081	1308.107	1308.112				
S10	1130.135	1130.060	1130.072				
S11	960.648	960.643	960.660				
S12	807.554	807.542	807.541				
S13	(736.948)	736.252	736.263				
S14	destroyed	-	-				
"M"	2096.941	2096.822	2096.838				
Set 1	◊ 495.974	496.069	496.051				
Set 2	◊ 550.044	550.131	550.149				
S5A	◊ 2073.617	2073.543	2073.543				
S6A	◊ 1864.055	1863.982	1863.992				
S14A	◊ 615.605	615.651	615.661				
S15	◊ 471.874	471.883	471.891				

Note: Slope distances shown in parenthesis are from Run #18

◊ Indicates data from Run #40

◊ Indicates data from Run #42

RUN NO.	2 (18)	#25	#26				
INSTRUMENT		HP-3805A	HP-3805A				
DATE		6-18-81	6-24-81				
TIME		6:45 a.m.	9:20 am				
H. M.	6995.40	6995.40	6995.40				
WEATHER		Clear	Clear				
TEMP.		48°F.	72°F				
PRESSURE							
	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.
"0"	2054.627	2054.583	2054.582				
S1	(1322.378)	1322.457	1322.457				
S2	(1283.611)	1283.512	1283.513				
S3	(1227.335)	1227.251	1227.254				
S4	(1202.218)	1202.109	1202.103				
S5	(1210.775)	Destroyed	-				
S6	(1226.372)	1225.991	1225.994				
	(1275.581)	1275.430	1275.433				
S8	1353.278	1353.258	1353.247				
S9	1453.494	1453.599	1453.592				
S10	1571.923	1571.693	1571.689				
S11	1706.932	1706.882	1706.883				
S12	1853.415	1853.567	1853.567				
S13	(1929.882)	1930.023	1930.023				
S14	Destroyed	-	-				
"A"	2096.810	2096.753	2096.757				
Set 1	◦ 2089.822	2089.853	2089.843				
Set 2	◦ 2081.023	2081.063	2081.041				
S5A	◊ 1209.319	1209.263	1209.264				
S6A	◊ 1226.954	1226.872	1226.871				
S14A	◊ 2007.298	2007.311	2007.292				
S15	◊ 2025.497	2025.447	2025.428				

Note: Slope distances shown in parenthesis are from Run #18

◦ Indicates data from Run #40

◊ Indicates data from Run #42

RUN NO.	2 (18)	#25	#26				
INSTRUMENT		HP-3805A	HP-3805A				
DATE		6-17-81	6-23-81				
TIME		6:40 a.m.	2:30 pm				
H. M.	7012.52	7012.51	7012.51				
WEATHER		Clear	Clear				
TEMP.		47°F.	86°F				
PRESSURE							
	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.
"M"	* 2054.677	2054.622	2054.617				
N1	1229.761	Destroyed	-				
N2	1061.802	Destroyed	-				
N3	914.250	Destroyed	-				
N4	788.729	788.763	788.767				
N5	700.835	700.729	700.728				
N6	661.875	661.763	661.762				
	683.191	683.082	683.091				
N8	757.347	757.187	757.184				
N9	758.289	758.151	758.153				
N10	761.800	761.739	761.733				
N11	817.498	817.427	817.427				
N12	861.120	861.062	861.061				
N13	918.335	918.277	918.284				
N14	977.672	977.602	977.613				
N15	1032.741	1032.683	1032.683				
N16	1068.282	1068.232	1068.238				
SD1	1286.044	Destroyed	-				
SD2	1256.808	Destroyed	-				
SD3	1249.167	Destroyed	-				
SD4	1283.270	Destroyed	-				
SD5	1351.283	Destroyed	-				
ND1	689.000	689.069	689.063				
2	598.257	598.359	598.359				

Note: * Indicates data from Run #21

INSTRUMENT STATION 0 (con't.)

RUN NO.	2 (18)	#25	#26				
INSTRUMENT		HP-3805A	HP-3805A				
DATE		6-17-81	6-23-81				
TIME		6:40 a.m.	2:30 pm				
H. M.	7012.52	7012.51	7012.51				
WEATHER		Clear	Clear				
TEMP.		47°F.	86°F				
PRESSURE							
	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.
ND3	428.277	See HV-8	See HV-8				
B1	(595.694)	595.697	595.692				
B2	(399.045)	399.003	399.011				
B3	(1084.119)	1084.129	1084.132				
B4	(1021.513)	1021.391	1021.402				
B5	(1653.002)	1652.957	1652.969				
B6	(1509.193)	1508.980	1508.990				
	(1376.785)	1376.747	1376.751				
"p"	1032.911	1033.001	1033.000				
Set-3	° 1107.086	1107.093	1107.102				
N1A	◇ 1283.838	1283.801	1283.807				
N2A	◇ 1131.088	1131.082	1131.081				
N3A	◇ 990.864	990.861	990.862				
N4A	◇ 899.889	899.877	899.881				
ND1A	◇ 700.015	700.071	700.067				
ND2A	◇ 611.892	611.940	611.951				
ND3A	◇ 467.119	467.129	467.127				
SD1A	◇ 1412.989	1412.913	1412.910				
SD2A	◇ 1374.134	1374.021	1374.033				
SD3A	◇ 1334.341	1334.253	1334.272				
SD4A	◇ 1363.918	1363.877	1363.878				
SD5A	◇ 1429.673	1429.633	1429.642				

Note: Slope distances shown in parenthesis are from Run #18.

° Indicates data from Run #40

◇ Indicates data from Run #42

RUN NO.	2 (18)	#25	#26				
INSTRUMENT		HP-3805A	HP-3805A				
DATE		6-17-81	6-23-81				
TIME		5:40 a.m.	1:20 pm				
H. M.	7052.63	7052.62	7052.62				
WEATHER		Clear	Clear				
TEMP.		42°F.	85°F				
PRESSURE							
	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.
"A"	4940.490	4940.322	4940.300				
N1	2262.601	Destroyed	-				
N2	2091.145	Destroyed	-				
N3	1931.480	Destroyed	-				
N4	1778.866	1778.907	1778.912				
N5	1638.150	1638.041	1638.057				
N6	1509.554	1509.403	1509.418				
N7	1399.075	1398.932	1398.953				
N8	1308.721	1308.497	1308.510				
N9	1142.196	1142.073	1142.088				
N10	959.552	959.479	959.494				
N11	785.950	785.890	785.892				
N12	703.712	703.653	703.649				
N13	631.029	630.987	630.979				
N14	561.711	561.677	561.682				
N15	492.325	492.301	492.312				
N16	412.296	412.247	412.267				
SD1	* 2317.484	Destroyed	-				
SD2	* 2283.601	Destroyed	-				
SD3	* 2254.810	Destroyed	-				
SD4	* 2254.999	Destroyed	-				
SD5	* See HV-8	Destroyed	-				
ND1	* 1698.671	1698.648	1698.663				
2	* 1616.920	1616.969	1616.967				

Note: * Indicates data from Run #21

INSTRUMENT STATION P (con't.)

RUN NO.	2 (18)	#25	#26				
INSTRUMENT		HP-3805A	HP-3805A				
DATE		6-17-81	6-23-81				
TIME		5:40 a.m.	1:20 pm				
H. M.	7052.63	7052.62	7052.62				
WEATHER		Clear	Clear				
TEMP.		42°F.	85°F				
PRESSURE							
	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.	SLOPE DIST.
ND3	Sec HV-8	See HV-8	See HV-8				
B1	(1339.226)	1339.157	1339.168				
B2	(1265.791)	1265.571	1265.577				
B3	* 1096.893	1096.773	1096.773				
B4	* 889.331	889.309	889.312				
B5	* 1299.618	1299.573	1299.578				
B6	* 1019.000	1018.764	1018.781				
7	* 736.843	736.833	736.839				
"0"	1033.229	1033.042	1033.040				
Set-3	◊ 2129.907	2129.877	2129.897				
N1A	◊ 2313.778	2313.699	2313.707				
N2A	◊ 2153.270	2153.238	2153.253				
N3A	◊ 1995.854	1995.812	1995.827				
N4A	◊ 1870.321	1870.258	1870.267				
ND1A	◊ 1714.299	1714.319	1714.333				
ND2A	◊ 1634.704	1634.723	1634.734				
ND3A	◊ 1499.444	1499.400	1499.417				
SD1A	◊ 2441.485	2441.392	2441.413				
SD2A	◊ 2397.480	2397.338	2397.358				
SD3A	◊ 2340.719	2340.627	2340.638				
SD4A	◊ 2338.629	2338.548	2338.560				
SD5A	◊ 2362.090	2362.017	2362.023				

Note: Slope distances shown in parenthesis are from Run #18

* Indicates data from Run #21

◊ Indicates data from Run #40

◊ Indicates data from Run #42

[illegible]

SECTION B

Relative Distance Change

MONITOR STATION RELATIVE CHANGE
INSTRUMENT STATION A

[illegible]

Note: Plus indicates distance away from instrument location; minus indicates distance toward instrument location.

Base reference distances shown in parenthesis are from Run #18

° Indicates data from Run #40

◇ Indicates data from Run #42

MONITOR STATION RELATIVE CHANGE
INSTRUMENT STATION M

[illegible]

Note: Plus indicates distance away from instrument location; minus indicates distance toward instrument location.

Base reference distances shown in parenthesis are from Run #18

* Indicates data from Run #40

Indicates data from Run #42

MONITOR STATION RELATIVE CHANGE
INSTRUMENT STATION 0

RUN NO.	2 (18)	#25	#26				
DATE		6-17-81	6-23-81				
MONITOR I. D. NO.	BASE REF. DISTANCE	RELATIVE CHANGE (FEET)					
"M"	* 2054.677	-0.055	-0.060				
N1	1229.761	Destroyed	-				
N2	1061.802	Destroyed	-				
N3	See HV-8	Destroyed	-				
N4	788.729	+0.034	+0.038				
N5	700.835	-0.106	-0.107				
N6	661.875	-0.112	-0.113				
N7	683.191	-0.109	-0.100				
N8	757.347	-0.160	-0.163				
N9	758.289	-0.138	-0.136				
N10	761.800	-0.061	-0.067				
N11	817.498	-0.071	-0.071				
N12	861.120	-0.058	-0.059				
N13	918.335	-0.058	-0.051				
N14	977.672	-0.070	-0.059				
N15	1032.741	-0.056	-0.058				
N16	1068.282	-0.050	-0.044				
SD1	1286.044	Destroyed	-				
SD2	1256.808	Destroyed	-				
SD3	1249.167	Destroyed	-				
SD4	1283.270	Destroyed	-				
SD5	1351.283	Destroyed	-				
ND1	689.000	+0.069	+0.063				
ND2	598.257	+0.102	+0.102				
ND3	428.277	See HV-8	See HV-8				
B1	(595.694)	+0.003	-0.002				
B2	(399.045)	-0.042	-0.034				
B3	(1084.119)	+0.010	+0.013				
B4	(1021.513)	-0.122	-0.111				
B5	(1653.002)	-0.045	-0.033				

Note: Plus indicates distance away from instrument location; minus indicates distance toward instrument location.

Base reference distances shown in parenthesis are from Run #18

* Indicates data from Run #21

MONITOR STATION RELATIVE CHANGE
INSTRUMENT STATION 0 (con't.)

[illegible]

Note: Plus indicates distance away from instrument location; minus indicates distance toward instrument location.

Base reference distances shown in parenthesis are from Run #18

• Indicates data from Run #40

Indicates data from Run #42

* Run No. Corrected *

MONITOR STATION RELATIVE CHANGE
INSTRUMENT STATION P

RUN NO.	2 (18)	#25	#26				
DATE		6-17-81	6-23-81				
MONITOR I. D. NO.	BASE REF. DISTANCE	RELATIVE CHANGE (FEET)					
"A"	* 4940.490	-0.168	-0.190				
N1	* 2262.601	Destroyed	-				
N2	* 2091.145	Destroyed	-				
N3	* 1931.480	Destroyed	-				
N4	* 1778.866	+0.041	+0.046				
N5	* 1638.150	-0.109	-0.093				
N6	1509.554	-0.151	-0.136				
N7	1399.075	-0.143	-0.122				
N8	1308.721	-0.224	-0.211				
N9	1142.196	-0.123	-0.108				
N10	959.552	-0.073	-0.058				
N11	785.950	-0.060	-0.058				
N12	703.712	-0.059	-0.063				
N13	631.029	-0.042	-0.050				
N14	561.711	-0.034	-0.029				
N15	492.325	-0.024	-0.015				
N16	412.296	-0.049	-0.029				
SD1	* 2317.484	Destroyed	-				
SD2	* 2283.601	Destroyed	-				
SD3	* 2254.810	Destroyed	-				
SD4	* 2254.999	Destroyed	-				
SD5	See HV-8	Destroyed	-				
ND1	* 1698.671	-0.023	-0.008				
ND2	* 1616.920	+0.049	+0.047				
ND3	See HV-8	-	-				
B1	(1339.226)	-0.069	-0.058				
B2	1265.791	-0.220	-0.214				
B3	* 1096.893	-0.120	-0.120				
B4	* 889.331	-0.022	-0.019				
B5	* 1229.618	-0.045	-0.040				

Note: Plus indicates distance away from instrument location; minus indicates distance toward instrument location.

Base reference distance shown in parenthesis are from Run #18

* Indicates data from Run #21

MONITOR STATION RELATIVE CHANGE
INSTRUMENT STATION P (con't.)

[illegible]

Note: Plus indicates distance away from instrument location; minus indicates distance toward instrument location.

- * Indicates data from Run #21
- o Indicates data from Run #40
- o Indicates data from #42

MONITOR STATION RELATIVE CHANGE
INSTRUMENT STATION HV-8

[illegible]

Note: Plus indicates distance away from instrument location; minus indicates distance toward instrument location.
Slope distances shown in parenthesis are from Run #30.

SECTION C

Elevations

MONITOR STATION ELEVATIONS

RUN NO.	2 (18)	#25	#26				
DATE		6-18-81	6-22-81				
MONITOR I. D. NO.	BASE REF. ELEVATION	ELEVATION					
N1	6968.973	-	-				
N2	* 68.690	-	-				
N3	68.837	-	-				
N4	67.964	6967.443	6967.436				
N5	69.373	69.309	69.319				
N6	69.380	69.287	69.292				
N7	69.900	69.794	69.809				
N8	69.000	68.839	68.844				
N9	70.433	70.269	70.279				
N10	69.060	68.900	68.902				
N11	68.070	67.955	67.964				
N12	67.637	67.490	67.494				
N13	68.117	67.970	67.971				
N14	68.580	68.415	68.418				
N15	68.103	68.025	68.028				
N16	68.927	68.904	68.903				
ND1	68.201	67.480	67.476				
ND2	68.401	67.742	67.736				
ND3	72.911	72.863	72.858				
SD1	68.563	-	-				
SD2	69.926	-	-				
SD3	69.116	-	-				
SD4	67.823	-	-				
SD5	68.710	-	-				
S1	(67.152)	66.861	66.869				
S2	(66.708)	66.597	66.603				
S3	(67.062)	67.007	67.011				
S4	(66.985)	66.888	66.892				
S5	(65.555)	-	-				
S6	(65.332)	65.150	65.151				

Note: Elevations shown in parenthesis are from Run #18

* Base reference from Run #11 due to station having been hit

MONITOR STATION ELEVATIONS

RUN NO.	2 (18)	#25	#26				
DATE		6-16-81	6-22-81				
MONITOR I. D. NO.	BASE REF. ELEVATION	ELEVATION					
S7	(6965.078)	6964.910	6964.916				
S8	64.955	64.787	64.790				
S9	64.561	64.214	64.216				
S10	63.668	63.521	63.520				
S11	64.048	63.874	63.881				
S12	64.348	64.047	64.049				
S13	(63.645)	63.100	63.106				
S14	(65.768)	-	-				
B1	(74.661)	74.198	74.198				
B2	(74.005)	73.537	73.538				
B3	(76.392)	76.055	76.050				
B4	(74.018)	73.917	73.910				
B5	(7010.658)	7010.663	7010.662				
B6	(7010.378)	7010.156	7010.150				
B7	(7009.641)	7009.648	7009.645				
Set 1	° 6965.609	6965.450	6965.456				
Set 2	° 65.692	65.417	65.421				
Set 3	° 82.595	82.275	82.276				
N1A	∅ 81.843	81.562	81.566				
N2A	∅ 82.226	81.945	81.946				
N3A	∅ 82.233	81.962	81.966				
N4A	∅ 74.926	74.747	74.751				
ND1A	∅ 81.887	81.694	81.695				
ND2A	∅ 81.658	81.481	81.480				
ND3A	∅ 83.063	83.042	83.043				
SD1A	∅ 81.354	81.077	81.072				
SD2A	∅ 82.311	82.122	82.117				
SD3A	∅ 82.413	82.090	82.087				
SD4A	∅ 82.442	82.352	82.346				
SD5A	∅ 82.244	82.212	82.212				

Note: Elevations shown in parenthesis are from Run #18

° Indicates data from Run #40

∅ Indicates data from Run #42

MONITOR STATION ELEVATIONS

[illegible]

RUN NO.	3	#25	#26				
DATE		6-18-81	6-24-81				
MONITOR							
I. D. NO.							
N. POND WATER ELEV.	6954.60	**	-				
S. BD. (O)		**	-				
S. BD. (N)		**	-				
CTR. POND: WATER ELEV.	6953.10	*	-				
N.E. BD.		Destroyed	-				
S. POND: WATER ELEV.	6951.80	6940.503	6940.319				
N.E. BD.		6940.49	6940.32				
S.E. BD.		**	-				
CENTER BD.		6940.49	6940.32				
W. BORROW WATER ELEV.	(6) 6942.12	6965.780	6966.003				
S. BD.		Destroyed	-				
S.E. BD.		Destroyed	-				
PUMP BD.		*	-				
Weir BD.		6965.78	6966.00				
E. BORROW WATER ELEV.	6933.22	6964.141	6964.220				
N.W. BD. (N)		6964.15	6964.20				
N.W. BD. (O)		illegible	-				
S.W. BD. (N)		6964.15	6964.20				
S.W. BD. (O)		illegible	-				

**Dry

*Sands

SECTION D

Relative Elevation Change

MONITOR STATION ELEVATIONS
RELATIVE CHANGE

RUN NO.	2 (18)	#25	#26				
DATE		6-16-81	6-22-81				
MONITOR I. D. NO.	BASE REF. ELEVATION	RELATIVE CHANGE (FEET)					
N1	6968.973	-	-				
N2	* 68.690	-	-				
N3	68.837	-	-				
N4	67.964	-0.521	-0.528				
N5	69.373	-0.064	-0.054				
N6	69.380	-0.093	-0.09				
N7	69.900	-0.106	-0.091				
N8	69.000	-0.161	-0.156				
N9	70.433	-0.164	-0.154				
N10	69.060	-0.160	-0.158				
N11	68.070	-0.115	-0.106				
N12	67.637	-0.147	-0.143				
N13	68.117	-0.147	-0.146				
N14	68.580	-0.165	-0.162				
N15	68.103	-0.078	-0.075				
N16	68.927	-0.023	-0.024				
ND1	68.201	-0.721	-0.725				
ND2	68.401	-0.659	-0.665				
ND3	72.911	-0.048	-0.053				
SD1	68.563	-	-				
SD2	69.926	-	-				
SD3	69.116	-	-				
SD4	67.823	-	-				
SD5	68.710	-	-				
S1	(67.152)	-0.291	-0.283				
S2	(66.708)	-0.111	-0.105				
S3	(67.062)	-0.055	-0.051				
S4	(66.985)	-0.097	-0.093				
S5	(65.555)	-	-				
S6	(65.332)	-0.182	-0.181				

Elevations shown in parenthesis are from Run #18

*Base reference from Run #11 due to station having been hit

MONITOR STATION ELEVATIONS
RELATIVE CHANGE

RUN NO.	2 (18)	#25	#26				
DATE		6-16-81	6-22-81				
MONITOR I. D. NO.	BASE REF. ELEVATION	RELATIVE CHANGE (FEET)					
S7	(6965.078)	-0.168	-0.162				
S8	64.955	-0.168	-0.165				
S9	64.561	-0.347	-0.345				
S10	63.668	-0.147	-0.148				
S11	64.048	-0.174	-0.167				
S12	64.348	-0.301	-0.299				
S13	(63.645)	-0.545	-0.539				
S14	Destroyed	-	-				
B1	(74.661)	-0.463	-0.463				
B2	(74.005)	-0.468	-0.467				
B3	(76.392)	-0.337	-0.342				
B4	(74.018)	-0.101	-0.108				
B5	(7010.658)	+0.005	+0.004				
B6	(7010.378)	-0.222	-0.228				
B7	(7009.641)	+0.007	+0.004				
Set 1	° 6965.609	-0.159	-0.153				
Set 2	° 65.692	-0.275	-0.271				
Set 3	° 82.595	-0.320	-0.319				
N1A	◇ 81.843	-0.281	-0.277				
N2A	◇ 82.226	-0.281	-0.280				
N3A	◇ 82.233	-0.271	-0.267				
N4A	◇ 74.926	-0.179	-0.175				
ND1A	◇ 81.887	-0.193	-0.192				
ND2A	◇ 81.658	-0.177	-0.178				
ND3A	◇ 83.063	-0.021	-0.020				
SD1A	◇ 81.354	-0.277	-0.282				
SD2A	◇ 82.311	-0.189	-0.194				
SD3A	◇ 82.413	-0.323	-0.326				
SD4A	◇ 82.442	-0.090	-0.096				
SD5A	◇ 82.244	-0.032	-0.032				

Elevations shown in parenthesis are from Run #18

° Indicates data from Run #40

◇ Indicates data from Run #42

MONITOR STATION ELEVATIONS
RELATIVE CHANGE

[illegible]

AND INDICATOR BOARD READINGS

RUN NO.	3	125	#26				
DATE		6-18-81	6-24-81				
MONITOR							
I.D. NO.							
N. POND WATER ELEV.	6954.60	See Sec. C	-				
S. BD. (O)							
S. BD. (N)							
CTR. POND: WATER ELEV.	6953.10	See Sec. C	-				
N.E. BD.							
S. POND: WATER ELEV.	6951.80	-11.297	-11.481				
N.E. BD.							
S.E. BD.							
CENTER BD.							
W. BORROW WATER ELEV.	(6) 6942.12	+23.660	+23.883				
S. BD.							
S.E. BD.							
PUMP BD.							
E. BORROW WATER ELEV.	6933.22	+30.921	+31.000				
N.W. BD. (N)							
N.W. BD. (O)							
S.W. BD. (N)							
S.W. BD. (O)							

SECTION E

Coordinates

CONTROL DATA

RLT. NO.	1	1	1 (18)			
DATE	8-16-79	8-16-79	8-17-79	SGL./TPPL.		
MONITOR I.D. NO.	NORTH	EAST	ELEVATION	HEIGHT OF REFLECTOR	DEPTH OF STA CONC./ BAR	
S7	73027.6515	57526.9059	(6965.078)			
S8	72873.2051	57401.4738	64.980	0.21'/0.36'	4'/8'	
S9	72717.2815	57276.6467	64.610	0.21'/0.36'	4'/8'	
S10	72561.0944	57152.7013	63.690	0.21'/0.36'	4'/8'	
S11	72405.0916	57027.2799	64.090	0.21'/0.36'	4'/8'	
S12	72251.2639	56901.8319	64.417	0.18'/0.33'	6'/10'	
S13	72172.1539	56839.8032	(63.645)			
S14	72078.4995	56800.1353	(65.768)			
B1	73818.9014	59679.7637	(74.661)			
B2	74020.3316	59609.6531	(74.005)			
B3	73666.0268	60452.3507	(76.392)			
B4	73865.0085	60528.7523	(74.018)			
B5	73509.1235	61051.4926	(7010.658)			
B6	73808.8816	61050.5782	(7010.378)			
B7	74107.4697	61009.1626	(7009.641)			
N1A	74130.7314	58415.7082	6981.843			
N2A	74272.4539	58545.8182	6982.226			
N3A	74421.5577	58677.3166	6982.233			
N4A	74580.4681	58784.2454	6974.926			
ND1A	74395.9766	58968.5535	6981.887			
ND2A	74355.7475	59059.2764	6981.658			
ND3A	74292.1203	59217.5179	6983.063			
SD1A	73802.3176	58394.0199	6981.354			
SD2A	73747.4861	58466.0397	6982.311			
SD3A	73629.7511	58588.0801	6982.413			
SD4A	73462.4874	58690.2976	6982.442			
SD5A	73287.7005	58786.7442	6982.244			
S6A	73351.4241	57786.3203	6967.68'			
S14A	73180.9301	57650.0623	6967.094			
S14A	72037.1145	56794.0738	6966.718			
S15	71894.1072	56821.3768	6966.303			

CONTROL DATA

RUN NO.	1	1	1 (18)			
DATE	8-16-79	8-16-79	8-17-79	SGL./TRPL.		
MONITOR I.D. NO.	NORTH	EAST	ELEVATION	HEIGHT OF REFLECTOR	DEPTH OF STA CONC./ BAR	
N1	74050.6170	58493.4593	6968.967	0.21'/0.36'	4'/8'	
N2	74195.6817	58629.2949	69.260	0.21'/0.36'	4.5'/8'	
N3	74349.6125	58756.7309	68.830	0.21'/0.36'	4'/8'	
N4	74502.7248	58885.3336	67.960	0.21'/0.36'	4'/8'	
N5	74657.0955	59012.0635	69.360	0.21'/0.36'	4'/8'	
N6	74810.6509	59140.1116	69.370	0.19'/0.34'	6'/10'	
N7	74964.9859	59266.9679	69.987	0.18'/0.33'	6'/10'	
N8	75118.4863	59394.9203	68.990	0.21'/0.36'	4'/8'	
N9	75166.2337	59568.1225	70.427	0.21'/0.36'	5'/8'	
N10	75164.3351	59787.7497	69.047	0.19'/0.34'	7'/10'	
N11	75164.2676	59987.6674	68.557	0.18'/0.33'	6'/10'	
N12	75163.5567	60087.9796	67.630	0.21'/0.36'	5'/8'	
N13	75168.8476	60187.8027	68.103	0.21'/0.36'	5.5'/8'	
N14	75167.7843	60287.9114	68.580	0.18'/0.33'	8'/10'	
N15	75153.1887	60386.8324	68.090	0.18'/0.33'	8'/12'	
N16	75109.6713	60476.6512	68.910	0.17'/0.32'	7.5'/12'	
ND1	74421.1261	58980.1738	68.217	0.21'/0.36'	4.5'/8'	
ND2	74382.8670	59071.8514	68.413	0.21'/0.36'	5'/8'	
ND3	74304.2753	59255.4255	72.886	0.21'/0.36'	5'/8'	
SD1	73914.2072	58483.2785	68.580	0.21'/0.36'	4'/8'	
SD2	73840.6627	58549.7613	69.960	0.21'/0.36'	5'/8'	
SD3	73672.1307	58663.1109	69.160	0.21'/0.36'	4'/8'	
SD4	73502.6784	58764.5408	67.913	0.21'/0.36'	4'/8'	
SD5	73328.8795	58862.6641	68.723	0.21'/0.36'	4'/8'	
S1	73830.8218	58272.4978	(67.152)			
S2	73760.6123	58202.1304	(66.708)			
S3	73619.2823	58058.8317	(67.062)			
S4	73479.7116	57917.9329	(66.985)			
S5	73342.3236	57777.2044	(66.555)			
S6	73193.2930	57652.1104	(65.332)			

CONTROL DATA

CONTROL STATION	NORTH	EAST	STATION ELEVATION	BOOF.	PAGE	METER ELEVATION	PLATE ELEVATION
HV-5	74879.0857	58109.5529	7002.700				
HV-9	74597.8898	60728.0014	7052.595				
UN-1	75142.4300	60625.4400	6968.539				
"J"	73784.8820	57211.5465	6958.80				
"K"	72951.0275	56465.3355	6941.78				
"L"	72192.9313	55641.5765	6915.41				
"A"	71448.7365	56964.1401	7028.63	#3	9	7029.45	7028.640
"M"	72588.2574	58724.0426	6990.772	#3	11	6995.40	
"N"	73479.8944	59697.6297	6996.271	#3	14	7000.85	
"O"	74413.3084	59667.7009	7011.74	#3	12	7012.51	7011.700
"P"	74743.1061	60645.8649	7051.85	#3	22	7052.62	7051.81
	73600.32	60139.11	6970.27	SP1	16		
"R"	72281.5246	60034.7495	7108.481				7108.448
BM-1			6958.870	#3	5		
BM-2			6970.328	#5	7		Destroyed
BM-2A	71783.63	56959.75	6968.245	#11	22		
BM-3C	72898.20	58843.38	6967.477	#7	3		
BM-3D	72883.46	58851.31	6976.567	E-20	11		
BM-4	74485.48	59492.75	6973.068	#3	30		
BM-4A	74279.99	59565.31	6973.018	#12	17		
BM-5			6970.842	#3	29		
BM-5A	74988.66	60526.61	6970.012	#11	23		
BM-6			6963.03	SP3	17		
BM-6A	74190.48	60605.39	6965.10	SP2	24		
BM-7A	74265.42	60597.36	6973.705	E-19	32		
BM-8	74505.20	60862.85	7009.638	#12	8		
BM-9	73051.66	61093.48	7013.428	#12	12		
BM-10	73421.73	60327.26	6980.218	#12	14		
BM-GW1	71452.96	55880.38	6914.31	A-1	11		

SECTION F

Settlement Plate Readings

VERTICAL SETTLEMENT READINGS

SET - 1

INCREMENT No.	6-19-81	6-26-81							
1	7.09	7.09							
2	18.00	18.00							
3	27.65	27.65							
4	37.00	37.00							
BOTTOM	40.28	40.28							

ORIGINAL DATE OF READING

SET - 2

INCREMENT No.	6-19-81	6-26-81							
1	7.12	7.12							
2	18.27	18.27							
3	27.65	27.65							
4	37.31	37.31							
BOTTOM	40.30	40.30							

SET - 3

INCREMENT No.	6-19-81	6-26-81							
1	6.14	6.14							
2	17.52	17.52							

SECTION 4

Hall Piezometer Readings

HALL PIEZOMETER READINGS (TAILINGS DAM EMBANKMENT)

PIEZOMETER NO.	HP-2211	HP-1905	HP-2236	HP-2235	HP-1841										
SERIAL NO.	2211	1905	2236	2235	1841										
GUAGE READ	13	17	13	12	18										
INDICATED PRESS. (PSI)	.78	1.02	.78	.72	1.08										
ΔP PSI	.85	1.15	.56	.77	1.18										
ACTUAL PRESS. (PSI)	0	0	.22	0	0										
PRESS. CELL ELEV. (FT.)	6930.3	6928.7	6931.0	6928.7	6951.6										
PIEZOMETRIC PRESS. (FT.)	0	0	.51	0	0										
PIEZOMETRIC ELEV. (FT.)	6930.3	6928.7	6931.51	6928.7	6951.6										

NOTES:
INDICATED PRESSURE = GUAGE READING X 0.06
PIEZOMETRIC PRESSURE = ACTUAL PRESSURE X 2.307

REMARKS:
Date: 6/25/81
Observer: Carabajal
Flow: 15
Temp: 78°F

SECTION 5

Free Board Readings

BORROW PITS
FREE BOARD READINGS
(REFERENCE 6980.00)

<u>Week Ending</u>	<u>Date of Minimum</u>	<u>Minimum Free Board (Ft.) (Borrow Pits)</u>
May 8, 1981	05/6/81	13.82
May 15, 1981	05/15/81	13.82
May 22, 1981	05/19/81	13.95
May 29, 1981	05/27/81	13.60
June 5, 1981	06/02/81	13.80
June 12, 1981	06/11/81	13.18
June 19, 1981	06/16/81	13.80
June 26, 1981	06/25/81	13.73

SECTION 6

Free Board Summaries :UNC

FREEBOARD GAGE RECORD
DAILY SUMMARY

<u>1981</u>	<u>South</u>		<u>Pit I</u>	<u>North</u>	<u>Pit II</u>		<u>Operator</u>
<u>June</u>	<u>1</u>	<u>2</u>	<u>5</u>	<u>6</u>	<u>8</u>	<u>9</u>	
21-1	40.4	40.4	65.7	<50.0	64.3	64.3	Jerry O.
-2	40.3	40.3	65.6	<50.0	64.3	64.3	Louis R.
-3	40.3	40.3	65.8	<50.0	64.3	64.3	Homer J.
22-1	40.3	40.3	65.8	<50.0	64.4	64.4	Jerry O.
-2	40.3	40.3	65.7	<50.0	64.4	64.4	Louis R.
-3	40.3	40.3	66.1	<50.0	64.3	64.3	Homer J.
23-1	40.3	40.3	66.3	<50.0	64.3	64.3	Victor L.
-2	40.3	40.3	66.3	<50.0	64.3	64.3	Louis R.
-3	40.3	40.3	66.3	<50.0	64.3	64.3	Homer J.
24-1	40.3	40.3	65.9	<50.0	64.3	64.3	Victor L.
-2	40.3	40.3	66.4	<50.0	64.2	64.2	Louis R.
-3	40.3	40.3	66.6	<50.0	64.2	64.2	Homer J.
25-1	40.3	40.3	66.1	<50.0	64.2	64.2	Victor L.
-2	40.3	40.3	66.4	<50.0	64.2	64.2	Louis R.
-3	40.3	40.3	65.6	<50.0	64.2	64.2	Jerry O.
26-1	40.3	40.3	66.2	<50.0	64.2	64.2	Victor L.
-2	40.3	40.3	65.7	<50.0	64.2	64.2	Romish
-3	40.3	40.3	65.6	<50.0	64.3	64.3	Jerry O.
27-1	40.0	40.0	65.6	<50.0	64.3	64.3	Ledezna
-2	40.2	40.2	65.8	<50.0	64.3	64.3	Homer J.
-3	40.2	40.2	65.7	<50.0	64.3	64.3	Jerry O.

NOTE : TO ALL READINGS ADD 6900 FT. FOR TRUE ELEVATION

SECTION 7

Water Quality Analysis: UNC

ANALYSIS REPORT

PAGE 1 OF 2

Sample Identification / Sampling Date 6-24-81	Well 201	Well 202	Well 203
Aluminum (mg/l)			
Arsenic (mg/l)			
Barium (mg/l)			
Boron (mg/l)			
Cadium (mg/l)			
Chloride (mg/l)	22.7	259.2	48.2
Chromium (mg/l)			
Cobalt (mg/l)			
Conductivity (umhos/cm) 25°C	3,210	12,200	4,100
Salinity (parts per thousand)	0.9	5.5	1.3
Cyanide (mg/l)			
Fluoride (mg/l)			
Iron (mg/l)			
Lead (mg/l)			
Magnesium (mg/l)			
Manganese (mg/l)			
Molybdenum (mg/l)			
Nitrogen (Ammonia) (mg/l)			
Nitrogen (Nitrate) (mg/l)			
Nickel (mg/l)			
pH 25°C	6.11	2.48	6.35
Selenium (mg/l)			
Silver (mg/l)			
Sodium (mg/l)			
Sulfate (mg/l)	2,575.3	15,201.6	2,569.3
Total Dissolved Solids (mg/l)	3,880.5	19,480.0	5,015.3
Total Mercury (mg/l)			
Vanadium (mg/l)			
Zinc (mg/l)			

Sample Identification : Sampling Date 6-24-81	Well 204	Well 205	
Aluminum (mg/l)			
Arsenic (mg/l)			
Barium (mg/l)			
Boron (mg/l)			
Cadium (mg/l)			
Chloride (mg/l)	48.8	107.8	
Chromium (mg/l)			
Cobalt (mg/l)			
Conductivity (umhos/cm) 25°C	4,110	4,300	
Salinity (parts per thousand)	1.3	1.4	
Cyanide (mg/l)			
Fluoride (mg/l)			
Iron (mg/l)			
Lead (mg/l)			
Magnesium(mg/l)			
Manganese(mg/l)			
Molybdenum (mg/l)			
Nitrogen (Ammonia) (mg/l)			
Nitrogen (Nitrate) (mg/l)			
Nickel (mg/l)			
pH 25°C	7.33	4.91	
Selenium (mg/l)			
Silver (mg/l)			
Sodium (mg/l)			
Sulfate (mg/l)	2,492.5	2,693.9	
Total Dissolved Solids (mg/l)	4,620.0	5,023.8	
Total Mercury (mg/l)			
Vanadium (mg/l)			
Zinc (mg/l)			

SECTION 8

Operator Inspection Sheets:UNC

UNC MINING AND MILLING

Division of United Nuclear Corporation
A UNC RESOURCES Company

Church Rock Operations
PO Drawer 00

Gallup, New Mexico 87301
Telephone 505-722-6651

Memorandum

DATE: 23 JUN 81

CC: Don Silva (SAI)
Mill File 2.02.10

TO: Tom Bailey, Ton Hill

FROM: G. A. Swanquist

SUBJECT: Daily Inspection - Starter Dam, North & South Cross Dikes

Inspection Conducted by: *[Signature]*

Time: From 0730 A.M./P.M. TO 0830 A.M./P.M.

Check as applicable

	1. Seepage		2. Cracks		3. Settlement	
	Yes	No	Yes	No	Yes	No
1. Starter Dam		✓	✓			✓
2. North Cross Dike		✓		✓		✓
3. South Cross Dike		✓		✓		✓

Description and qualifying statement to each "Yes" mark: _____

General Comments: _____

UNC

Gallup, New Mexico 87301
Telephone 505-722-6651

DATE: 24 JUN 81

CC: Don Silva (SAI)
Mill File 2.02.10

FROM: G. A. Swanquist

SUBJECT: Daily Inspection - Starter Dam, North & South Cross Dikes

Inspection Conducted by: S. Math

Time: From 0730 A.M./P.M. TO 0800 A.M./P.M.

Check as applicable					
1. Seepage		2. Cracks		3. Settlement	
Yes	No	Yes	No	Yes	No
	✓	✓			✓
	✓		✓		✓
	✓		✓		✓

Description and qualifying statement to each "Yes" mark: _____

General Comments:

UNC MINING AND MILLING

Division of United Nuclear Corporation
A UNC RESOURCES Company

Church Rock Operations
P.O. Drawer 00

Gallup, New Mexico 87301
Telephone 505/722-6651

Memorandum

DATE: 25 JUN 81

CC: Don Silva (SAI)
Mill File 2.02.10

TO: Tom Bailey, Tom Hill

FROM: G. A. Swanquist

SUBJECT: Daily Inspection - Starter Dam, North & South Cross Dikes

Inspection Conducted by: [Signature]

Time: From 0715 A.M./P.M. TO 1800 A.M./P.M.

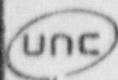
Check as applicable

	1. Seepage		2. Cracks		3. Settlement	
	Yes	No	Yes	No	Yes	No
1. Starter Dam		✓	✓			✓
2. North Cross Dike		✓		✓		✓
3. South Cross Dike		✓		✓		✓

Description and qualifying statement to each "Yes" mark: _____

General Comments: _____

UNC MINING AND MILLING



Division of United Nuclear Corporation
A UNC RESOURCES Company

Church Rock Operations
PO Drawer 00

Gallup, New Mexico 87301
Telephone 505/722-6651

Memorandum

DATE: 26 JUN 81

CC: Don Silva (SAI)
Mill File 2.02.10

TO: Tom Bailey, Tom Hill

FROM: G. A. Swanquist

SUBJECT: Daily Inspection - Starter Dam, North & South Cross Dikes

Inspection Conducted by: S. Matz

Time: From 0740 A.M./P.M. TO 0830 A.M./P.M.

Check as applicable

	1. Seepage		2. Cracks		3. Settlement	
	Yes	No	Yes	No	Yes	No
1. Starter Dam		✓	✓			✓
2. North Cross Dike		✓		✓		✓
3. South Cross Dike		✓		✓		✓

Description and qualifying statement to each "Yes" mark: _____

CRACKS WIDENED SOMEWHAT WITH THE .23
OF A FOOT OF RAIN LAST NIGHT, AND
SMALLER ONES ARE CLEARER NOW

General Comments: _____

SECTION 9

Evaporation & Precipitation Data

#6 True Evaporation = 4 + 5 = 6

SECTION 10

WATER LEVEL DATA IN AND
AROUND THE TAILINGS
IMPOUNDMENT AREA

DAILY WATER LEVELS FOR MONITORING WELLS

Well No.	Depth to Water Surface from the Top of Pipe					
		6-22-81			6-25-81	
8-D		40.29			40.37	
9-D		47.38			47.51	
120		88.09			88.12	
GL-3		38.40			38.73	
106-D		35.25			35.37	
10-D		52.70			52.79	
100		28.49			28.60	
11-D		46.83			46.86	
12-D		50.01			50.98	
321		45.18			45.27	
320		55.08			55.18	
319		58.62			58.72	
108-D		31.38			31.37	
201		48.04			48.08	
202		51.80			51.90	
314		44.48			44.58	
322		42.84			42.92	
323		45.49			45.62	
13-D		57.18			57.57	
37-D		34.04			34.06	
36-D		32.10			32.18	
324		40.59			40.68	
325		40.94			40.99	
107-D		34.22			34.32	
326		41.15			41.13	
327		38.64			38.74	
14-D		35.52			35.52	
328		38.23			38.32	
329		38.61			38.67	
330		44.13			44.21	
331		46.62			46.73	
332		47.48			47.61	
333		50.44			50.55	
334		47.94			48.08	
335		37.07			37.16	
341		33.68			33.82	
336		31.50			31.60	

DAILY WATER LEVELS FOR MONITORING WELLS

Well No.	Depth to Water Surface from the Top of Pipe					
		6-22-81			6-25-81	
337		30.93			30.95	
338		34.70			34.75	
339		101.21			101.35	
121		73.21			73.32	
17-DM		86.58			86.61	
301		87.72			87.82	
302		93.54			93.57	
B-5		90.36			90.40	
303		113.12			112.73	
304		160.88			165.73	
310		90.78			90.85	
B-6		97.25			97.98	
311		83.14			83.23	
312-A		89.57			89.67	
313		81.34			81.26	
B-7		100.59			100.62	
307		106.50			106.60	
306		117.38			117.42	
305	MUD	-	-	-	-	MUD
315		146.43			146.43	
316		63.71			63.78	
317		63.98			64.23	
15-DM		64.56			64.59	
318		62.15			62.16	
B-6A		64.78			64.81	
124		60.49			60.23	
126		67.30			67.35	
127		100.10			100.67	
123		39.03			39.06	
7-D		37.88			37.94	
119		36.23			36.36	
111		46.15			46.13	
115		48.94			48.98	
116		61.39			61.36	
117		51.33			51.20	
148		142.60			142.85	

SECTION 11

DAILY PUMPING RECORD FOR
THE SEEPAGE COLLECTION WELLS

DAILY PUMPING RECORD
FOR SEEPAGE COLLECTION - FOR WEEK ENDING 6-27-81

1981 Date	Well No.	Hours Pumped	Avg. G.P.M	Total Gallons	Remarks
6-21-81	304	24	7.14	10,282	
	340	24	4.21	6,062	
	323A	24	7.27	10,469	
	402	24	5.43	7,819	
	433	24	12.75	18,356	
	424	24	15.17	23,290	
	422	24	9.68	13,940	
	435	24	3.77	5,434	
	403A	24	6.56	9,449	
	438	24	3.55	5,108	
	443	24	9.15	13,180	
	446	24	3.85	5,538	
	401	24	.96	1,382	
Total Gallons Pumped for the day = 130,309					
6-22-81	304	24	7.19	10,354	
	340	24	3.88	5,587	
	323A	24	6.82	9,821	
	402	24	5.75	8,286	
	433	24	14.39	20,717	
	424	24	15.21	21,900	
	422	22.5	11.29	15,245	Reset Switch Malfunction
	435	24	3.47	4,993	
	403A	24	6.16	8,866	
	438	24	3.82	5,495	
	443	24	8.36	12,040	
	446	24	3.47	4,993	
	401	24	.97	1,392	
Total Gallons Pumped for the day = 129,689					
6-23-81	304	21.50	7.14	9,211	Change Cable, Install Air Tube
	340	24	3.85	5,544	
	323A	24	6.82	9,821	
	402	24	5.94	8,560	
	433	24	-.83	1,196	Valve malfunction
	424	24	16.43	23,660	
	422	24	10.97	15,790	
	435	24	3.33	4,790	
	403A	24	6.50	9,362	
	438	24	3.86	5,565	
	443	24	8.00	11,523	
	446	24	4.09	5,893	
	401	24	1.37	1,974	
Total Gallons Pumped for the day = 112,889					

DAILY PUMPING RECORD
FOR SEEPAGE COLLECTION - FOR WEEK ENDING 6-27-81 (Continued)

1981 Date	Well No.	Hours Pumped	Avg. G.P.M	Total Gallons	Remarks
6-24-81	304	24	7.10	10,224	
	340	24	3.41	4,910	
	323A	24	6.59	9,490	
	402	24	6.88	9,910	
	433	24	12.53	18,044	
	424	24	16.99	24,470	
	422	14.3	11.67	10,010	Reset Switch Malfunction
	435	24	3.40	4,900	
	403A	24	5.62	8,088	
	438	24	3.83	5,510	
	443	24	8.10	11,657	
	446	24	3.96	5,705	
	401	24	1.34	1,923	
	Total Gallons Pumped for the day = 124,841				
6-25-81	304	24	7.06	10,166	
	340	24	3.67	5,285	
	323A	24	6.42	9,245	
	402	24	5.79	8,341	
	433	24	12.91	18,590	
	424	24	16.48	23,730	
	422	11.40	11.73	8,020	Reset Switch Malfunction
	435	24	3.43	4,940	
	403A	24	5.11	7,360	
	438	24	3.57	5,140	
	443	24	8.03	11,570	
	446	24	3.90	5,610	
	401	24	1.30	1,869	
	Total Gallons Pumped for the day = 119,866				
6-26-81	304	24	7.69	11,074	
	340	24	6.06	8,726	
	323A	24	8.11	11,678	
	402	24	7.14	10,279	
	433	24	11.88	17,110	
	424	24	16.25	23,400	
	422	17.20	11.39	11,750	Reset Switch Malfunction
	435	24	3.32	4,780	
	403A	24	5.03	7,240	
	438	24	3.33	4,800	
	443	24	7.80	11,230	
	446	24	3.90	5,610	
	401	24	1.26	1,814	
	Total Gallons Pumped for the day = 129,491				

DAILY PUMPING RECORD
FOR SEEPAGE COLLECTION - FOR WEEK ENDING 6-17-81 (Continued)

1981 Date	Well No.	Hours Pumped	Avg. G.P.M	Total Gallons	Remarks
6-27-81	304	24	7.74	11,146	
	340	24	6.09	8,770	
	323A	24	8.00	11,520	
	402	24	4.29	6,180	
	433	24	13.35	19,220	
	424	24	16.35	23,540	
	422	24	11.07	15,940	
	435	24	2.81	4,050	
	401A	24	5.02	7,230	
	438	24	3.29	4,734	
	443	24	8.07	11,620	
	446	24	3.95	5,690	
	401	24	1.31	1,891	
	Total Gallons Pumped for the day =				131,531

Total Gallons pumped for the week..... 878,616

Cumulative Total Gallons since March 23, 1981.....9,145,593