



Commonwealth Edison

One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

August 10, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Generating Station Units 1 and 2
Essential Service Water Pipeline
NRC Docket Nos. 50-454 and 50-455

References (a): June 1, 1982, letter from B. J.
Youngblood to L. O. DelGeorge.

(b): October 27, 1982, letter from T. R.
Tramm to H. R. Denton.

Dear Mr. Denton:

This letter provides supplemental information regarding the soil supporting the Byron essential service water pipeline. We understand that this information will permit NRC closure of SER Outstanding Item 1.

Enclosed is additional documentation concerning the preliminary site work fill placement and composition in area of concern number 12. The photographs described have already been provided to the NRC reviewer, John Chen.

Please direct any further questions you may have regarding this matter to this office.

One signed original and fifteen copies of this letter and the enclosure are provided for NRC review.

Very truly yours,

T. R. Tramm
Nuclear Licensing Administrator

lm

8408270265 840810
PDR ADOCK 05000454
E PDR

9045N

Boo1
11

Additional Documentation Concerning
Placement of Preliminary Site Work Fill in
Essential Service Water Pipeline Area of Concern No. 12

The preliminary site work fill placement and compaction in Area of Concern No. 12 occurred between May 1975 and October 1975. H. H. Holmes Testing Laboratories provided quality control for the earthwork fill. The ESW pipeline in Area 12 is located approximately at 32+40E between 37+00N and 45+00N. Figure 1 shows the subsurface profile at Area 12 including the earthwork fill.

Earthwork in the vicinity of the switchyard and Area 12 was compacted to minimum 95% Modified Proctor. Typical field density test reports identifying date, location, elevation, and percent compaction are included in Attachment A (QC Report Nos. 20, 37, 81, and 97). These reports confirm placement and compaction of preliminary site fill in Area 12 to approximate elevation 867.0 ft. MSL between May and August 1975. Some additional fill and grading occurred after August.

The ESW pipeline in Area 12 was installed in the fall of 1977 and spring of 1978 approximately 2 years or more after the preliminary site fill was placed.

Attachment B presents two aerial photographs numbered P8/1/75C1 and P7/12/76D1. These photographs show the site construction on August 1, 1975 and July 12, 1976. Area of Concern No. 12 has been identified on the photographs. Note that the July photographs shows all preliminary site fill complete, railroad tracks installed and laydown areas in use.

The above stated documentation supplants the information on Area of Concern No. 12 presented in Dames & Moore's letter dated September 15, 1983, and transmitted to the NRC on a later date.

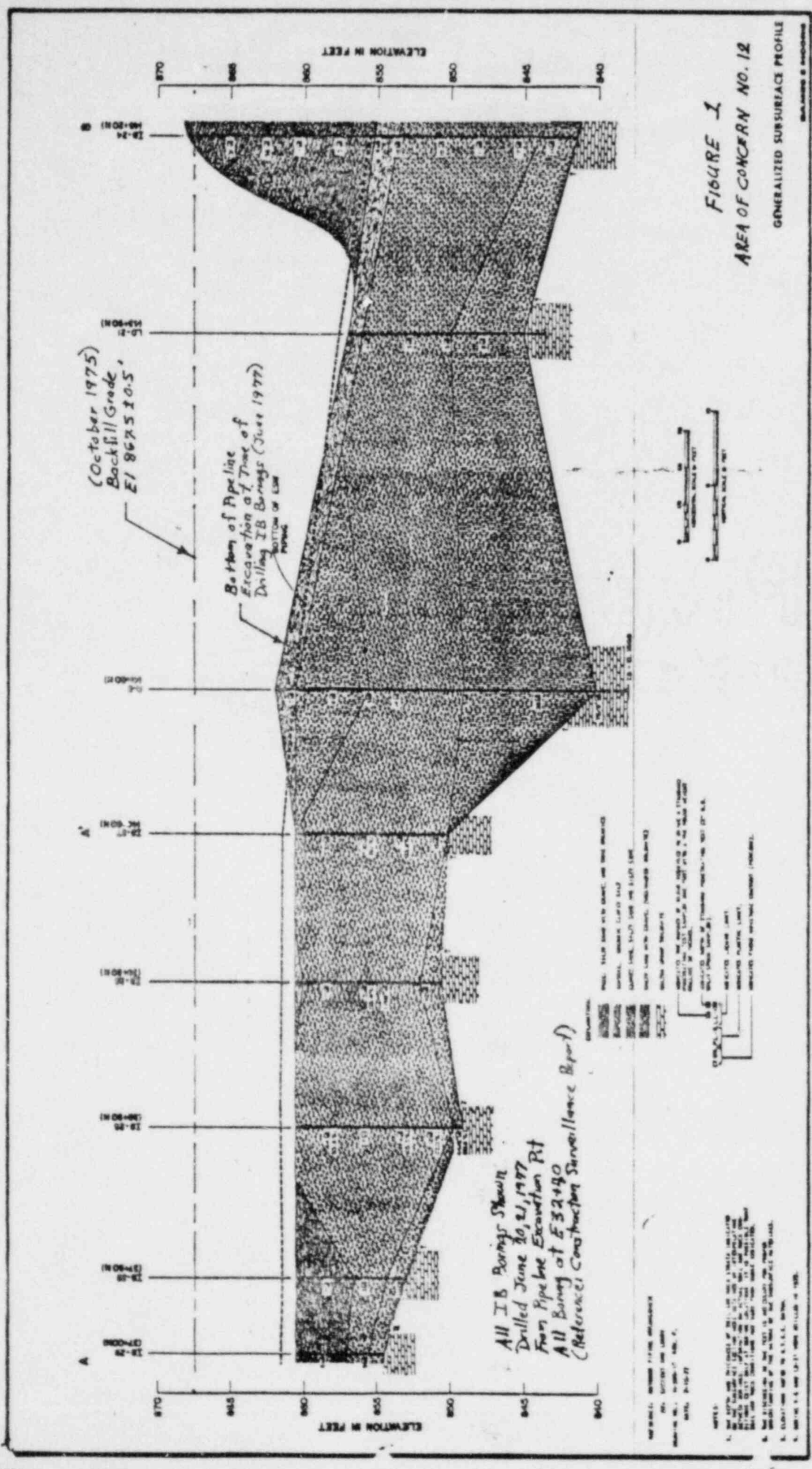


FIGURE 1
AREA OF CONCERN NO. 12

GENERALIZED SUBSURFACE PROFILE

ATTACHMENT A

TYPICAL QUALITY CONTROL TEST REPORTS
PRELIMINARY SITE FILL