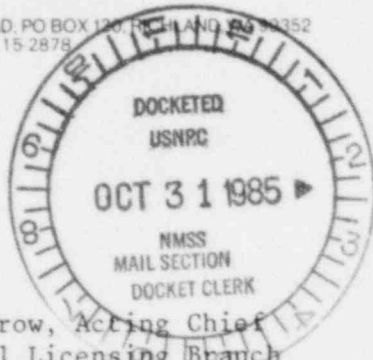


70-1257

EXXON NUCLEAR COMPANY, INC.

2101 HORN RAPIDS ROAD, PO BOX 120, ROCKY HILL, CT 06352
(509) 375-8100 TELEX: 15 2878



Mr. W. T. Crow, Acting Chief
Uranium Fuel Licensing Branch
Division of Fuel Cycle and Material Safety, NMSS
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

RECEIVED

'85 OCT 28 P10:43
October 10, 1985

U.S. NRC
12. FEE MGMT BRANCH

RETURN TO 396-SS
PDK

'85 OCT 24 P3:29

License No. SNM-1227
Docket No. 70-1257

Dear Mr. Crow:

Exxon Nuclear Company, Inc. hereby requests a license amendment to construct and operate an incinerator for the processing of uranium contaminated combustible wastes. This letter is Part 1 of a two part request. The purpose of this part is to make you aware of our plans and to obtain approval to start construction. The second part, which will discuss the operation in some detail including various safety features, will be submitted after more detailed design has been completed. Construction is scheduled to start in early 1986 and operation is scheduled to begin in early 1987. As a part of the overall project, approvals will be obtained from the Washington State Department of Ecology and from the Benton County Air Pollution Control Authority.

A conceptual design of the incinerator and it's adjuncts is depicted in the enclosed sketch SK-J-156. At the time of startup of the unit, it is estimated that 13,000 55-gallon drums of waste will be in storage awaiting processing. The capacity of the incinerator will be such that it will handle current waste volume generated plus some of the storage backlog. The existing drummed waste will be sorted, with combustible waste being boxed in cardboard for feed to the incinerator, and noncombustible waste being drummed for disposal. Currently generated combustible waste will be boxed for direct feed to the incinerator. The ash from incinerator will be drummed, assayed, and either processed through existing equipment for uranium recovery prior to disposal or disposed of directly. The incinerator off-gas stream is scrubbed twice, filtered and discharged up a stack. The scrubber solution will be routed to lagoon interim storage.

The sorting and incineration equipment will be installed in Room 173 of the Speciality Fuels Building. Outside construction will consist of a HVAC system for Room 173 with stack, a nitrogen tank, a small boiler, a caustic tank, two propane tanks, a cooling tower all with concrete pads, a barrel

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PDR ADOCK 07001257
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AN AFFILIATE OF EXXON CORPORATION

25962

Applicant.....
Check No. 71359.....
Amount/Fee Category 412-13.....
Type of Fee... AMO.....
Date Check Rec'd. 10/28/85.....
Received By. [Signature].....

Mr. W. T. Crow
October 10, 1985
Page 2

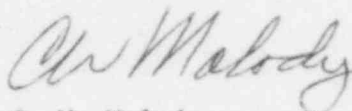
storage pad, and an 18'x28' airlock and barrel queing area. See the enclosed site plan for details. The stack and HVAC equipment will be constructed on the building roof, with HEPA filter plenum on airlock roof.

The outside construction activities described above will not adversely effect the environment as thet are very minor in nature and involve only areas which are already committed to industrial type activity. No virgin land will be utilized.

We will appreciate your timely attention to this request.

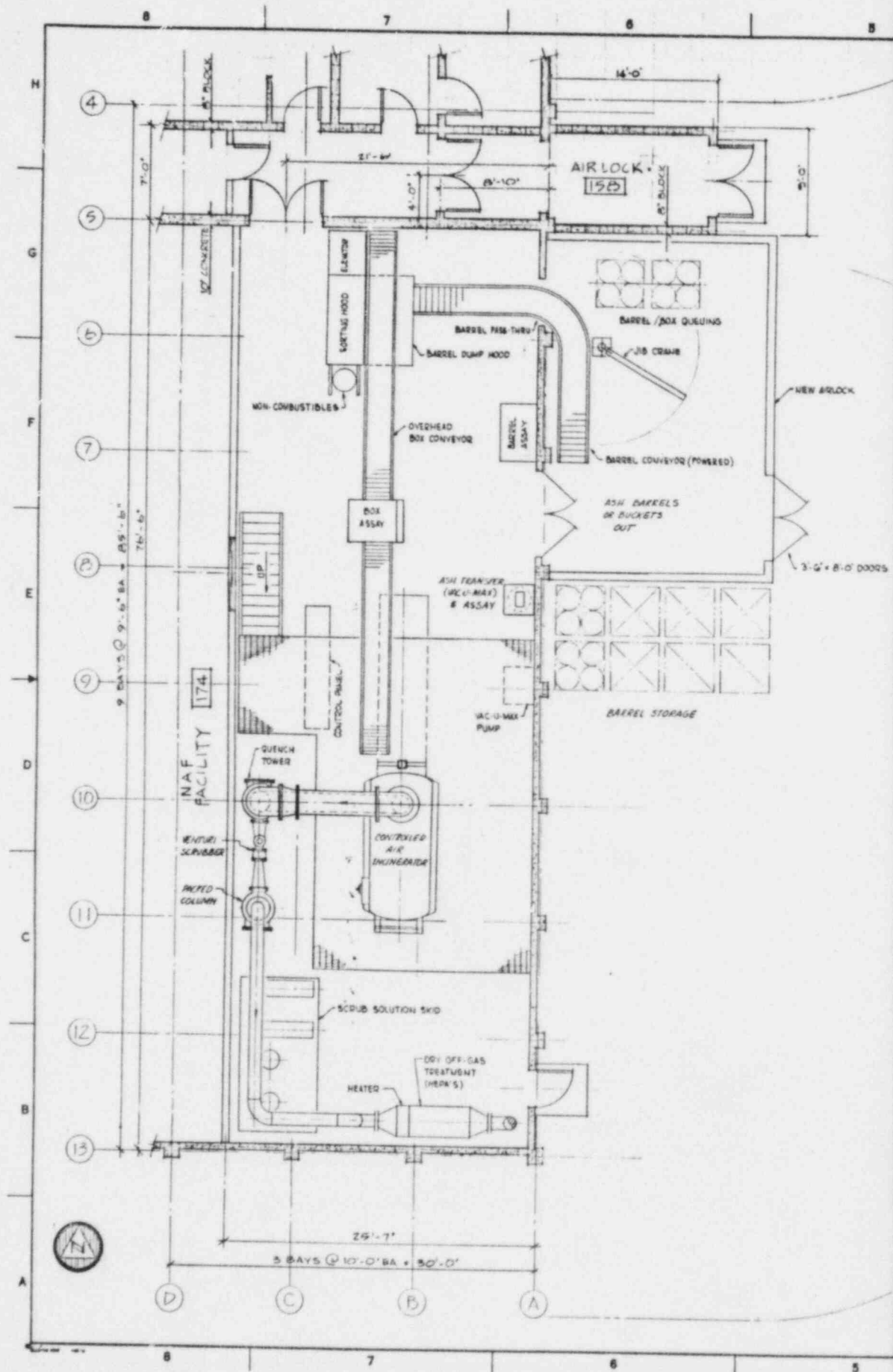
Enclosed is a check in the amount of \$150 to cover the initial fee requirement.

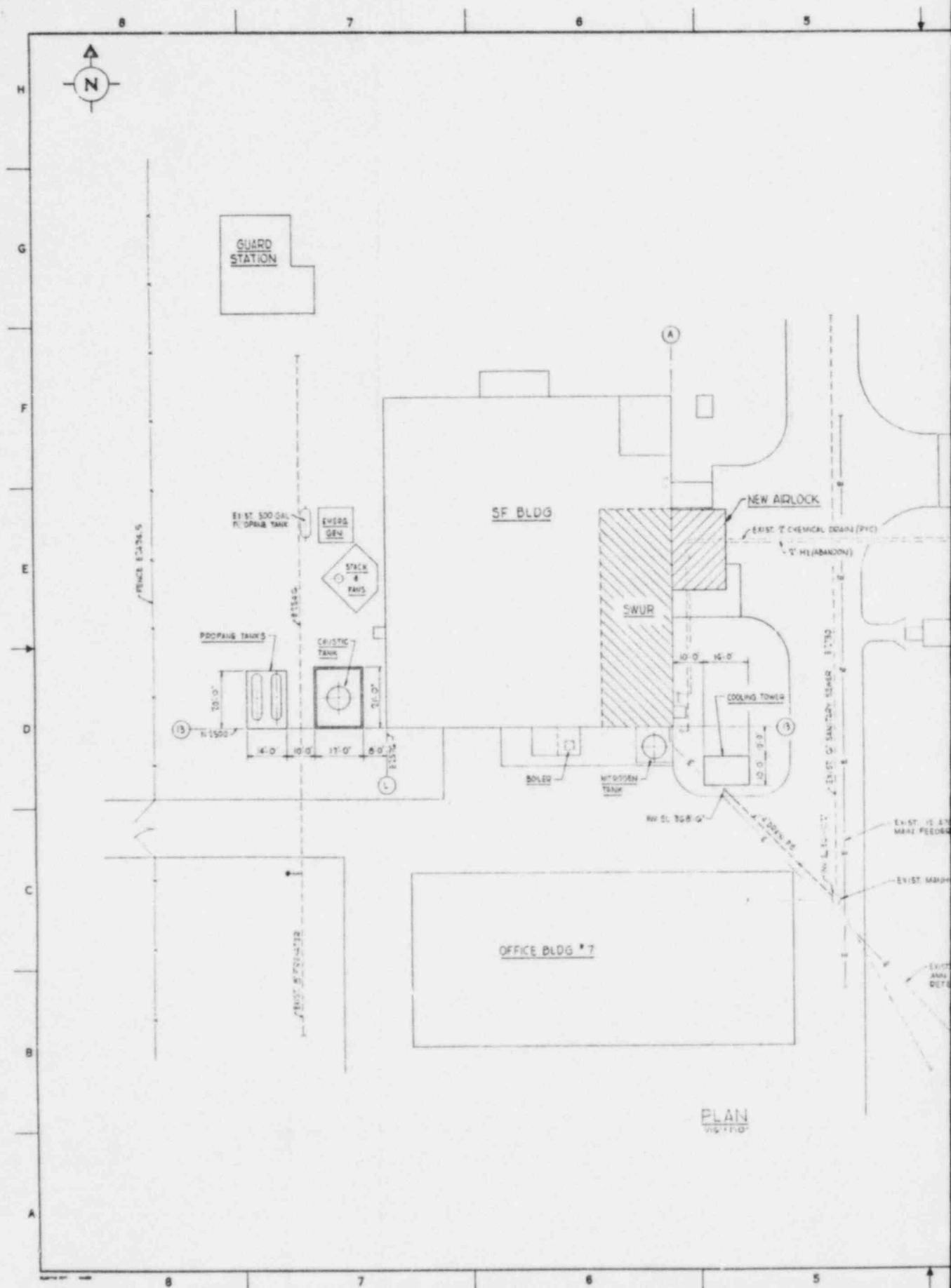
Sincerely,

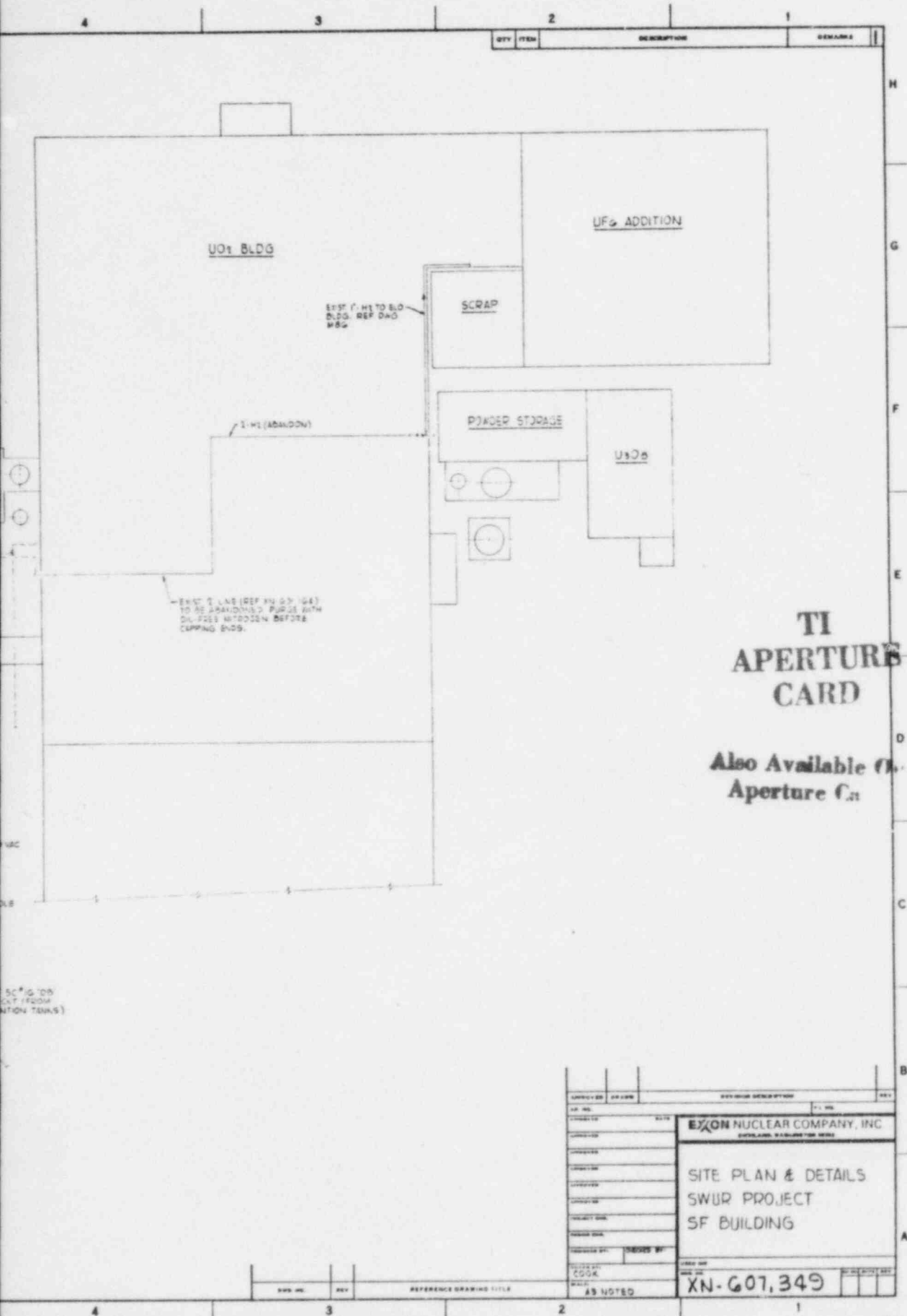


C. W. Malody
Corporate Licensing

CWM:jrs







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