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40-6659/GRK/86/01/02/0

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JAN 24 1986

Docket File 6659
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 URFO r/f
 WDEQ (2)
 JHaes, RCPD, WY
 LLW Branch, WMLU

URFO:GRK
 Docket No. 40-6659
 SUA-551, Amendment No. 11
 04006659261E

Petrotomics Company
 Shirley Basin Mill
 P.O. Box 2509
 Shirley Basin, Wyoming 82615

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 40, and in accordance with your submittal dated April 1, 1985, Source Material License SUA-551 is hereby amended by deleting License Condition No. 32 and revising License Condition No. 41 to read as follows:

41. The licensee shall implement the environmental and effluent monitoring program as specified in Table 5.5.7-1 of the renewal application as revised on March 27, 1985. Notwithstanding the above submittal, the licensee shall by June 1, 1986, implement a ground water monitoring program as described below:
 - A. Sample SC Wells 1, 3-5, 39-42, 44 and 45 on a quarterly frequency for: arsenic, chloride, selenium, sulfate, TDS, pH, U-nat, Th-230, Ra-226, Pb-210 and Po-210. Annually the licensee shall sample the above wells for the above parameters as well as: aluminum, ammonia, barium, bicarbonate, calcium, carbonate, copper, fluoride, hardness, iron, lead, magnesium, manganese, molybdenum, nitrate, potassium and sodium.
 - B. Redevelop or redrill Wells IDC, RTH 1 and RTH 3 as well as complete four additional monitoring wells, in the Upper Sand aquifer, in the area north and east of the tailings impoundment. Completion details shall be submitted to the USNRC, Uranium Recovery Field Office, by June 30, 1986.

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- C. Maintain, at a minimum, the enhanced evaporation system as described in the April 1, 1985 submittal. Furthermore, the licensee shall maintain the seepage recovery system and return all collected seepage to the tailings impoundment.

Additionally, the licensee shall by August 15, 1986, submit an updated ground water study for the Petrotomics site which defines the movement and extent of tailings derived seepage as well as future mitigative actions.

The effect of this amendment is recognition of fulfilling the requirement of submitting an updated ground water management program as well as incorporation of a revised ground water monitoring program into Source Material License SUA-551. For your information a copy of the staff memorandum supporting this licensing action is enclosed.

All other conditions of this license shall remain the same. The license is being reissued in its entirety to incorporate the revisions specified above.

The issuance of this amendment was discussed and agreed upon via telephone conversation between your Mr. Pfaff and Mr. Konwinski of my staff on January 7, 1986.

FOR THE NUCLEAR REGULATORY COMMISSION

HS

R. Dale Smith, Director
Uranium Recovery Field Office
Region IV

Enclosures: Source Material License SUA-551
Staff memorandum

Case Closed: 04006659261E

OFC :	URFO :	URFO :	URFO :	URFO :		
NAME :	GKonwinski :	GPangburn :	HPettengill :	RDSmith :		
DATE :	86/01/14 :	1/22/86 :	1/22/86 :	1/24/86 :		