October 4, 2001

Ms. Donna L. Wichers,
General Manager
COGEMA Mining, Incorporated
P.O. Box 730
Mills, WY 82644

SUBJECT: AMENDMENT 5 FOR SUA-1341, IRIGARAY AND CHRISTENSEN RANCH PROJECTS, LICENSE CONDITION 10.5

Dear Ms. Wichers:

The U.S. Nuclear Regulatory Commission (NRC) staff has completed its review of your amendment request dated September 17, 2001, for the COGEMA Mining, Inc. (COGEMA) Irigaray and Christensen Ranch *In Situ* Leach Uranium Projects. The letter indicated that the yellowcake production limit stated in SUA-1341 License Condition 10.5 would be exceeded by the end of the year due to the unexpected higher restoration uranium recovery grades. The annual limit in this condition of 30,000 pounds of yellowcake produced from restoration fluid was based on COGEMA's estimate provided in 2000. Your request to increase this limit to 50,000 pounds was justified by data demonstrating that in the past when annual production levels were as high as 734,887 pounds, radiation levels were well within limits. For example, in 1999 when the yellowcake production was 184,911 pounds, the maximum employee dose was 183 mrem and the nearest residence estimated dose was 1.2 mrem/year. The stack test average total particulates were also much lower that the limit. Since operation of the yellowcake dryer is the only potentially significant source of radiation exposure, and it will only operate 2-3 weeks/year during 2001-2003, the NRC staff determined that potential impacts to the environment and public health would still be low if the license condition were revised to increase the annual production limit to 50,000 pounds of yellowcake.

The license, SUA-1341, has been revised to include an annual production limit of 50,000 pounds in License Condition 10.5. The license is being reissued to incorporate this change and is enclosed.

An environmental review was not performed since this action is categorically excluded under 10 CFR 51.22(c)(10), as an administrative change. If you have any questions regarding this letter or the enclosure, please contact the NRC Project Manager for your facility, Ms. Elaine Brummett, at (301) 415-6606 or she can also be reached by e-mail at esb@nrc.gov.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter will be available electronically from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/NRC/ADAMS/index.html (the Public Electronic Reading Room).

Sincerely,

/**RA**/

Melvyn Leach, Chief
Fuel Cycle Licensing Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket No: 40-8502
SUA-1341

Enclosure: SUA-1341, amendment 5

cc: G. Mooney, WDEQ - District III
R. Poyser, COGEMA

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ADAMS Accession Number: ML012820334

OFC	FCLB	E	FCLB		FCLB			
NAME	EBrummett		GJanosko		MLeach			
DATE	10/3/01		10/4/01		10/4/01			

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MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and the applicable parts of Title 10, Code of Federal Regulations, Chapter I, Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 51, 70, and 71, and in reliance on statements and representations heretofore made by the licensee, a licensee is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. Cogema Mining, Inc	3. License Number SUA-1341	Amendment No. 5
2. P.O. Box 730 Mills, Wyoming 82644	4. Expiration Date	Until terminated
	5. Docket No. Reference	40-8502

6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
Uranium and 11e.(2) byproduct	Unspecified	Unlimited

SECTION 9: **Administrative Conditions**

9.1 The authorized place of use shall be the licensee's Irigaray and Christensen Ranch Satellite facilities in Johnson and Campbell Counties, Wyoming.

9.2 All written notices and reports to the NRC required under this license, shall be addressed to the Chief, Fuel Cycle Licensing Branch, c/o of Documents Control Desk, Division of Fuel Cycle Safety and Safeguards, Office of Nuclear Material Safety and Safeguards, U. S. Nuclear Regulatory Commission, 11545 Rockville Pike, Two White Flint North, (Mail Stop T-8-A-33) Rockville, MD 20852-2738.

Required telephone notification shall be made to the NRC Operations Center at (301) 816-5100, unless otherwise specified in license conditions.

[Applicable Amendment: 4]

9.3 The licensee shall conduct operations in accordance with the commitments, representations, and statements contained in the January 5, 1996, license renewal application submittal as revised by the September 3, 1997 “Responses to NRC Comments on the License Renewal Application for Source Material License SUA-1341,” and as supplemented by the December 13, 1996, submittal requesting a performance based license condition for approval of the startup of new well fields, including standard operating procedures, and hereinafter referred to as the “approved license application.” The approved license application is hereby incorporated by reference except where superseded by license conditions below.

Whenever the word "will" is used in the above referenced documents, it shall denote a requirement.

[Applicable Amendment: 4]

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number	SUA-1341
Docket or Reference Number	40-8502
Amendment No. 5	

9.4 Performance Based License Condition

a) The licensee may, without obtaining a license amendment pursuant to 10 CFR 40.44, and subject to conditions specified in Part b of this condition:

A) Make changes in the facility as described in the license application (as updated),

B) Make changes in the procedures as described in the license application (as updated), and

C) Conduct test or experiments not described in the license application (as updated).

b) The licensee shall obtain a license amendment pursuant to 10 CFR 40.44 prior to implementing a proposed change, test or experiment if the change, test, or experiment would:

A) Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the approved license application (as updated);

B) Result in more than a minimal increase in the likelihood of occurrence of a malfunction of a structure, system, or component (SSC) important to safety previously evaluated in the approved license application (as updated);

C) Result in more than a minimal increase in the consequences of an accident previously evaluated in the approved license application (as updated);

D) Result in more than a minimal increase in the consequences of a malfunction of an SSC important to safety previously evaluated in the license approved application (as updated);

E) Create a possibility for an accident of a different type than any previously evaluated in the approved license application (as updated);

F) Create a possibility for a malfunction of an SSC important to safety with a different result than previously evaluated in the approved license application (as updated);

G) Result in a departure from the method of evaluation described in the approved license application (as updated) used in establishing the final safety evaluation report (FSER) or the environmental assessment (EA).

c) The licensee's determinations concerning Part b of this condition, shall be made by a Safety and Environmental Review Panel (SERP). The SERP shall consist of a minimum of three individuals. One member of the SERP shall have expertise in management (e.g., Plant Manager) and shall be responsible for financial approval for changes; one member shall have expertise in operations and/or construction and shall have responsibility for implementing any operational changes; and, one member shall be the radiation safety officer (RSO) or equivalent, with the responsibility of assuring changes conform to radiation safety and environmental requirements. Additional members may be included in the SERP as appropriate, to address technical aspects such as groundwater, hydrology, surface-water hydrology, specific earth sciences, and other technical disciplines. Temporary members or permanent members, other than the three above-specified individuals, may be consultants.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

d) The licensee shall maintain records of any changes made pursuant to this condition until license termination. These records shall include written safety and environmental evaluations made by the SERP, that provide the basis for determining changes are in compliance with Part b of this condition. The licensee shall furnish, in an annual report to the NRC, a description of such changes, test, or experiments, including a summary of the safety and environmental evaluation of each. This report shall also include changed pages, which shall include both a change indicator for the area changed, e.g. a bold line vertically drawn in the margin adjacent to the portion actually changed, and a page change identification (date of change or change number or both), to the operations plan and reclamation plan of the approved license application (as updated) to reflect changes made under this condition.

[Applicable Amendment: 4]

9.5 The licensee shall maintain an NRC-approved financial surety arrangement, consistent with 10 CFR 40, Appendix A, Criterion 9, adequate to cover the estimated costs, if accomplished by a third party, for decommissioning and decontamination, offsite disposal of radioactive solid process or evaporation pond residues, and ground-water restoration as warranted. The surety shall also include the costs associated with all soil and water sampling analyses necessary to confirm the accomplishment of decontamination.

Within 3 months of NRC approval of a revised decommissioning plan and its cost estimate, the licensee shall submit for NRC review and approval, a proposed revision to the financial surety arrangement if estimated costs in the newly approved decommissioning plan exceed the amount covered in the existing financial surety. The revised surety shall then be in effect within 3 months of written NRC approval.

Annual updates to the surety amount, required by 10 CFR 40, Appendix A, Criterion 9, shall be provided to NRC by August 18 of each year. Financial surety coverage for the full amount of the NRC-approved decommissioning cost estimate shall not lapse for any time period prior to license termination. If NRC has not approved a proposed revision 30 days prior to the expiration date of the existing surety arrangement, the licensee shall extend the existing arrangement, prior to expiration, for one year. Along with each proposed revision or annual update, the licensee shall submit supporting documentation showing a breakdown of the costs and the basis for the cost estimates with adjustments for inflation, maintenance of a minimum 15 percent contingency, changes in engineering plans, activities performed, and any other conditions affecting estimated costs for site closure.

At least 90 days prior to beginning construction associated with any planned expansion or operational change which was not included in the annual surety update, the licensee shall provide for NRC approval an updated surety to cover the expansion or change.

The licensee shall also provide NRC with copies of surety-related correspondence submitted to the State of Wyoming, a copy of the State's surety review, and the final approved surety arrangement. The licensee must also ensure that the surety, where authorized to be held by the State, expressly identifies the NRC-related portion of the surety and covers the cost of above-ground decommissioning and decontamination, offsite disposal, soil and water sample analyses, and ground-water restoration associated with the site. The basis for the cost estimate is the NRC-approved site closure plan or the NRC-approved revisions to the plan. The reclamation/ decommissioning plan, cost estimates, and annual updates should follow the outline in the Appendix E to NUREG-1569 (NRC, 1997), entitled, "Recommended Outline for Site Specific *In Situ* Leach Facility Reclamation and Stabilization Cost Estimates."

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number	SUA-1341
Docket or Reference Number	40-8502
Amendment No. 5	

The licensee's currently approved surety, Irrevocable Standby Letter of Credit issued by the HSBC Bank USA in favor of the State of Wyoming, Department of Environmental Quality shall be continuously maintained in an amount no less than $14,101,166 for the purpose of complying with 10 CFR 40, Appendix A, Criterion 9, until a replacement is authorized by both the State of Wyoming and the NRC.

[Applicable Amendments: 1, 2, 4]

9.6 Written standard operating procedures (SOPs) shall be established and followed for all operational process activities involving radioactive materials that are handled, processed, stored, or transported by the licensee at or between the Irigaray and Christensen Ranch sites. SOPs for operational activities shall enumerate pertinent radiation safety practices to be followed in accordance with 10 CFR Part 20. Additionally, written procedures shall be established and followed for non-operational activities to include in-plant and environmental monitoring, bioassay analyses and instrument calibrations. An approved, up-to-date copy of each written procedure shall be kept in specified locations in the process area to which it applies.

All written procedures for both operational and non-operational activities shall be reviewed and approved in writing by the Radiation Safety Officer (RSO) before implementation and whenever a change in a procedure is proposed to ensure that proper radiation protection principles are being applied. Additionally, the RSO shall perform a documented review of all operating procedures at least annually.

9.7 The licensee shall dispose of 11e.(2) byproduct material, including evaporation pond residues, from the Irigaray and Christensen Ranch Satellite facilities at a site licensed by NRC or an NRC Agreement State to receive 11e.(2) byproduct material. The licensee shall identify the disposal facility to NRC in writing. The licensee's approved waste disposal agreement must be maintained onsite. In the event the agreement expires or is terminated, the licensee shall notify NRC in writing, in accordance with License Condition 9.2, within 7 days after the date of expiration or termination. A new agreement shall be submitted for NRC approval within 90 days after expiration or termination. If the licensee is not able to secure this agreement, then the licensee must increase the surety to include disposal at a commercial 11e.(2) disposal facility.

[Applicable Amendment: 4]

9.8 Release of equipment, materials, or packages from the restricted area shall be in accordance with the NRC guidance document entitled, "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material," dated August 1987, or suitable alternative procedures approved by NRC prior to any such release.

[Applicable Amendment: 4]

9.9 Before engaging in any developmental activity not previously assessed by NRC, the licensee shall administer a cultural resource inventory. All disturbances associated with the proposed development will be completed in compliance with the National Historic Preservation Act of 1966 (as amended) and its implementing regulations (36 CFR Part 800), and the Archaeological Resources Protection Act of 1979 (as amended) and its implementing regulations (43 CFR Part 7).

MATERIALS LICENSE
SUPPLEMENTARY SHEET

To ensure that no unapproved disturbance of cultural resources occurs, any work resulting in the discovery of previously unknown cultural artifacts shall cease. The artifacts shall be inventoried and evaluated in accordance with 36 CFR Part 800, and no disturbance shall occur until the licensee has received authorization from NRC to proceed.

[Applicable Amendment: 4]

9.10 The licensee shall maintain restricted area boundaries at the Irigaray and Christensen Ranch facilities as described in Section 5.8.1 of the approved license application. Additionally, the Irigaray and Christensen Ranch well field buildings shall be restricted, if required, based on the results of radiological surveys.

9.11 The licensee is hereby exempted from the requirements of Section 20.1902(e) of 10 CFR 20 for areas within the Irigaray and Christensen Ranch facilities, provided that all entrances to the facility are conspicuously posted in accordance with Section 20.1902(e) and with the words, **"ANY AREA WITHIN THIS FACILITY MAY CONTAIN RADIOACTIVE MATERIAL."**

9.12 The RSO shall have the health physics authorities, responsibilities, and technical qualifications identified in Regulatory Guide 8.31.

9.13 DELETED BY Amendment No. 4.

SECTION 10: Operations, Controls, Limits, and Restrictions

10.1 The licensee is not authorized to inject lixiviant.

[Applicable Amendment: 4]

10.2 The licensee shall construct all wells in accordance with methods described in Section 3.3.2 of the approved license application.

Any failed well casing that cannot be repaired to pass the integrity test shall be appropriately plugged and abandoned, using procedures set out in Section 3.3.2 of the approved license application.

10.3 The licensee shall establish pre-operational baseline water quality data for all production units. Baseline water quality sampling shall provide representative pre-mining groundwater quality data and restoration criteria as described in the approved license application. The data shall be from wells established in the mining zone, the mining zone perimeter, the upper aquifer and the lower aquifer where present, with spacing and locations as specified in the approved license application. The data shall, at a minimum, consist of the sample analyses shown in Table 5.25 of Section 5.8.2.2 of the approved license application.

The wells used for obtaining baseline groundwater quality in current and future production areas shall be established at the following minimal density:

Monitored Unit	Density
Ore Zone Monitors	All
Ore Zone Baseline (restoration)	1 well per 4 acres of pattern area

Shallow Zone Monitors	1 well per 3.5 acres of pattern area
Deep Zone Monitors (where zone present)	1 well per 3.5 acres of pattern area

Wells utilized to establish baseline groundwater quality for past Irigaray production areas were as follows:

Monitored Unit	Wells per Monitored Unit
Irigaray Unit 1 Sandstone	2
Irigaray deep monitor zone	2
Irigaray perimeter and trend monitor wells (Units 1-9)	70 percent of installed wells

Baseline groundwater quality in previously approved production areas shall be the mean data values (well field average) from the following submittals:

Irigaray	
Units 1–5	April 16, 1990 (refers to WDEQ permit 478)
Unit 6	April 4, 1988
Unit 7	November 2, 1987 (Table 4)
Units 8–9	January 28, 1988
Christensen Ranch	
Unit 3 and Module 2 expansion	December 1, 1988 (Table 2)
Unit 3 expansion and Module 4A expansion	August 8, 1991 (Table 6)
Unit 2 south portion	November 27, 1992 (Table 2)
Unit 2 north portion	April 16, 1992 (Table 2)
Unit 4	April 1, 1994 (Table 6)
Unit 5	February 28, 1995 (Table 7)

[Applicable Amendment: 4]

10.4 Prior to mining in each production unit, the licensee shall collect groundwater samples and establish Upper Control Limits (UCLs) in accordance with Section 5.8 of the approved license application. UCLs for monitor wells established prior to the issuance of the Performance Based License Condition (PBLC) in December 1996, are provided in Table 5.26 for the Irigaray site and Table 5.27 for the Christensen Ranch site in Section 5.8 of the approved license application. UCLs shall be applied to all monitor wells in conformance with the approved license application and appropriate SOPs. The UCL parameters shall be chloride, conductivity, and total alkalinity.

[Applicable Amendment: 4]

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number	SUA-1341
Docket or Reference Number	40-8502
Amendment No. 5	

10.5 The licensee is authorized to produce yellowcake only from restoration fluid. Annual yellowcake production shall not exceed 50,000 pounds.

[Applicable Amendment: 5]

10.6 Solution evaporation ponds A, B, C, D and E, and the 517 ponds shall have at least 2 feet of freeboard. Ponds RA and RB shall have at least 8 feet of freeboard. The 8-foot freeboard may be temporarily changed to a 2 foot in either RA or RB as long as sufficient reserve capacity is available in the overall pond system to accept the contents of one of the ponds in case of leakage. The Christensen Ranch permeate storage pond, brine ponds and filter backwash pond (if constructed) shall have at least 2 feet of freeboard.

Additionally, the licensee shall, at all times, maintain sufficient reserve capacity in the evaporation pond system to enable the transfer of the contents of a pond to other ponds. In the event of a leak and subsequent transfer of liquid, the freeboard requirements shall be suspended during the repair period.

[Applicable Amendment: 4]

10.7 All liquid effluents from process buildings and other process waste streams, with the exception of sanitary wastes, shall be returned to the process circuit, discharged to the solution evaporation ponds, or disposed of as allowed by NRC regulations.

Additionally, the licensee is authorized to dispose of process solutions, injection bleed, and restoration brine in the following wells:

COGEMA DW No. 1
Christensen 18-3
DW-1
DW-2

The licensee shall maintain a record of the volumes of solution disposed in these wells and submit this information in the annual monitoring report.
[Applicable Amendment: 4]

10.8 The licensee shall maintain effluent control systems as specified in Section 4.0 of the approved license application, with the following additions:

A. Operations shall be suspended within 1 hour in the dry/pack area of the plant if any of the emission control equipment for the yellowcake drying or packaging areas is not operating within the ranges permitted by WDEQ Air Quality Permit No. OP-254.

B. The licensee shall, during all periods of yellowcake drying operations, assure that the scrubber is operating within the recommended ranges for water flow and air pressure differential. This shall be accomplished by use of continuous monitoring equipment which will record the scrubber flow rate and differential pressure, and signal an audible alarm if they fall below the recommended ranges in the permit. Manual readings and alarm checks will be documented once per 12-hour shift.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

C. The furnace draft pressure shall be read and documented once per 12-hour shift, and maintained within the design specification of -0.1 to -0.5 inches of water.

[Applicable Amendment: 4]

10.9 The licensee shall use a Radiation Work Permit (RWP) for all work or non-routine maintenance jobs where the potential for significant exposure to radioactive material exists and for which no standard written operating procedure exists. All RWPs shall be accompanied by a breathing zone air sample or applicable area air sample. The RWP shall be issued by the RSO or designee qualified by way of specialized radiation protection training, and RWPs shall include, as a minimum, the information described in Section 2.2 of Regulatory Guide 8.31.

10.10 The licensee shall sample particulates and radon progeny on a monthly frequency at the Irigaray and Christensen Ranch Satellite locations shown on Figures 5.2 and 5.3 of the approved license application. Additional sampling locations can be added by the licensee through the SERP.

[Applicable Amendment: 4]

10.11 If employees do not shower prior to leaving the restricted area, they shall monitor themselves with an alpha survey instrument prior to exiting in conformance with Regulatory Guide 8.30.

10.12 The licensee shall implement the bioassay program discussed in Regulatory Guide 8.22. Exceedance of the administrative or actions levels and corrective actions performed will be documented in the ALARA Audit Report.

[Applicable Amendment: 4]

10.13 All radiation monitoring, sampling, and detection equipment shall be recalibrated after each repair and as recommended by the manufacturer or at least annually, whichever is more frequent. In addition, all radiation survey instruments shall be operationally checked with a radiation source each day when in use.

10.14 DELETED BY Amendment 4.

10.15 The licensee shall incorporate the restoration data for the 517 and USMT sites into the Irigaray completion report.

[Applicable Amendment: 4]

10.16 The licensee shall conduct groundwater restoration and post-restoration monitoring as described in Section 6.1 of the approved license application. The primary goal of restoration shall be to return the groundwater quality, on a production-unit average, to baseline concentrations on a parameter-by-parameter basis. If the primary goal cannot be achieved, the groundwater will, at a minimum, be returned to the pre-mining use category.

Changes to groundwater restoration or post-restoration monitoring plans shall be submitted to NRC for review and approval at least 2 months prior to groundwater restoration in a mining unit.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number	SUA-1341
Docket or Reference Number	40-8502
Amendment No. 5	

10.17 The licensee shall include the following as part of the groundwater monitoring program: Annual sampling and analysis for chloride and conductivity from 5I7 and USMT Wells M-1, NM-3, M-4, SM-1, M-219, M-220, and M-221.

10.18 The licensee shall implement the respiratory protection program as described in the approved license application.

10.19 DELETED BY Amendment No. 4.

10.20 DELETED BY Amendment No. 4.

10.21 DELETED BY Amendment No. 4.

10.22 DELETED BY Amendment No. 4.

SECTION 11: **Monitoring, Recording, and Bookkeeping Requirements**

11.1 Injection manifold pressures and flow rates shall be measured and recorded daily. During well-field operations, injection pressures shall not exceed 120 psi at the Irigaray site, and 140 psi at the Christensen Ranch site. Also, during maintenance tasks, injection pressures shall not exceed the integrity test pressures.

11.2 All designated monitor wells shall be sampled and tested for the UCLs established in accordance with Condition 10.4. Sampling shall be performed on the routine sampling schedule in the approved license application.

If the routine sampling results indicate an exceedance of at least two UCLs, a second sample shall be collected from that well within 48 hours and analyzed for chloride, conductivity, and total alkalinity. The well shall be placed on excursion status if the results from the second sample also exceed at least two of the established UCLs.

If the results from the second sample do not confirm the initial exceedance, a third sample shall be collected within 48 hours of receiving the results from the second sampling, and analyzed. The routine sampling shall be considered in error if the second and third samples do not confirm the initial exceedance. The well shall be placed on excursion status if the results from the second or third samples exceed at least two of the established UCLs

Upon confirming an excursion, the licensee shall implement corrective actions, and increase the sampling frequency for the excursion indicators to weekly. Written progress reports of the excursion status shall be submitted to the NRC, in accordance with Condition 9.2, on a quarterly basis until the excursion has been mitigated. An excursion is considered mitigated when the concentrations of at least two excursion indicators remain below the established UCLs for three consecutive samples.

[Applicable Amendment: 4]

11.3 The licensee shall establish and conduct an effluent and environmental monitoring program in accordance with Section 5.8. of the approved license application.

11.4 The licensee shall perform and document weekly visual inspections of the Irigaray and Christensen Ranch Satellite evaporation pond embankments, fences and liners, as well as measurements of pond freeboard and checks of the leak detection system.

Anytime 6 vertical inches or more of fluid is detected in the leak detection system standpipes, it shall be analyzed for chloride, conductivity, pH and uranium. If analyses indicate that the pond is leaking, the licensee shall lower the pond fluid level by transferring its contents to an alternate cell, and undertake repairs, as needed. If standpipe water exists, quality samples shall be analyzed for the above parameters weekly during the leak period and for at least 2 weeks following repairs.

[Applicable Amendment: 4]

11.5 The licensee shall conduct the weekly in-plant inspection and audit programs described in Section 5.3 of the approved license application. In addition, the RSO or designee shall document a daily walk-through(during operation of the yellowcake dryer) of the Irigaray facility to determine that radiation control practices are being implemented appropriately.

[Applicable Amendment: 4]

11.6 The results of the following activities, operations, or actions shall be documented: sampling, analyses, surveys and monitoring, survey/monitoring equipment calibration results of reports on audits and inspections, all meetings and training courses required by this license; and any subsequent reviews, investigations and corrective actions, shall be documented. Unless otherwise specified in the NRC regulations, all such documentation shall be maintained for a period of at least five (5) years.

11.7 The licensee shall monitor for external exposure in accordance with 10 CFR 20.1502(a)(1), Section 5.7.2 of the approved license application. The licensee shall monitor for internal exposure in accordance with 10 CFR 20.1502(b)(1) and Section 5.7.3 of the approved license application.

SECTION 12.0: Reporting Requirements

12.1 Effluent and environmental monitoring program results shall be provided in the annual report in the format shown in Table 3 of Regulatory Guide 4.14, (Rev. 1) entitled, "Sample Format for Reporting Monitoring Data." The report shall also include injection rates, recovery rates and injection manifold pressures.

[Applicable Amendment: 4]

12.2 Spill, Leak, Excursion, and Incident/Event Reporting

Until license termination, the licensee shall maintain documentation of unplanned releases of source or 11e.(2) byproduct materials (including extraction solutions) and process chemicals. Documented information shall include, but not be limited to: date, volume, total activity of each radionuclide released, radiological survey results, soil sample results (if taken), corrective actions, results of post remediation surveys (if taken), and a map showing the spill/event location and the impacted area.

The licensee shall have procedures which will evaluate the consequences of the spill or incident/event against 10 CFR 20, Subpart "M," and 10 CFR 40.60 reporting criteria. If the criteria are met, the licensee must report this information to the NRC Operations Center as required.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number	SUA-1341
Docket or Reference Number	40-8502
Amendment No. 5	

If the licensee is required to report any spills, leaks, or excursions of source, 11e.(2) byproduct material, or process chemicals because of impact on the environment, or to report any other incidents/events to State or Federal Agencies, a report shall be made to the Region IV Branch Chief for Uranium Recovery Inspection and the NRC Project Manager by telephone or electronic mail within 48 hours. This notification shall be followed, within 30 days of the notification, by submittal of a written report according to Condition 9.2 detailing the conditions leading to the release or incident/event, corrective actions taken, and results achieved.

[Applicable Amendment: 4]

12.3 DELETED BY Amendment No. 4.

12.4 DELETED BY Amendment No. 4.

12.5 DELETED BY Amendment No. 4.

12.6 An annual report will be submitted to the NRC in accordance with Condition 9.2, that includes the ALARA audit report, land use survey, monitoring data, and the SERP information required under License Condition 9.4(d). The report shall include a summary of the daily (during operation of the yellowcake dryer) walk-through inspections.

[Applicable Amendment: 4]

12.7 DELETED BY Amendment No. 4.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Dated: October 4, 2001

Melvyn Leach, Chief
Fuel Cycle Licensing Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards