

STATE OF NEW MEXICO

ENVIRONMENTAL IMPROVEMENT DIVISION
DISTRICT I - PO Box 2536
Milan NM 87021 287-8845

Steven Asher, Director

TONEY ANAYA GOVERNOR

JOSEPH GOLDBERG SECRETARY

TED GUAMBANA DEPUTY SECRETARY

JOSEPH F. JOHNSON DEPUTY SECRETARY

June 25, 1984

Mr. John Long
Plant Manager
Mobil Oil Corporation
P. O. Drawer F
Crownpoint, NM 87313

Dear Mr. Long:

This letter reports on a routine inspection conducted May 18 through May 25, 1984, at your facilities of activity authorized by New Mexico Radioactive Materials License NM-MOB-UL-03.

The inspection was an examination of the activities authorized under the license as they relate to radiation safety; to compliance with the Health and Environment Department's rules and regulations; and adherence to activities detailed in the license application.

No deficiencies were found during the inspection.

Thank you for the courtesy and cooperation extended to us during the inspection.

Sincerely,

Theodore G. Brough

Environmental Scientist

mb

cc: Sam Simpson, Santa Fe Benito Garcia, Santa Fe (2) File

Leadore & Brough

9807280151 840625 PDR ADOCK 04008911

DRAFT INSPECTION REPORT FORM

WOBIL	oress of license	y 3. TV	e of Inspecti	on MAY PA
CROWNE	DIL COMPAN	Guscosmans		and a second second second second
and advantage of the second	873/3			
*				
License numb	per(s), docket num cense. Category a	ber(s), number and Priority of	and date of la	st amendment
NM-M	03-01-03			
The state of the s	* *			
Date of pre	vious inspection _	Trily,	1983	
Proprietary	information/	cone:		
Proprietary	information/	eone:		
Proprietary	information/	eone.		
			Routul	- annua
	information		Routne	- annua
			Routne	- annua
			Routine	- annua
			Routul	- annua
*			Routul	- annua
*			Routul	- annua

Tolm Long - Mobil Manager (In	Situ operations, NA
T.G. BROUGH-EID, INSPECTOR	-
SAM SIMPSON-EID, LICENCE PROGR	AAM DEFICER
*	
Management Interview (Information required f	or N/C cases).
N/A	
STATE OF THE STATE	
A STATE OF THE PARTY OF THE PAR	
Action and Date: Letter to Licensee Tr	ine 25, 1984
AEC-591 Clear	and the same of th
Recommend reinspection date Time to Se	0,4 10PT.
Recommend reinspection date June 10	And the second
Theodore & Brough	June 25, 1989
Inspector	Date of Report
Allopededa	

13.	Inspection Summary (Including violations and safety items, and status of previously reported violations and safety items, etc.)
	no previous violationis, no current molationis.
	side by Side measurements for Radon in SE corner
	Side by Side Measurements for Radon in SE corner
	proposed when mobils Rom-1 is sturned from repair (passibly to be done in July, 1974).
	repair (passibly to be don't in sury, 1774)
14.	Summary of Licensed Program (Kind of program, number of people, rate of use or quantities on hand, places and frequency of use, type,
	will be Injecting H 2 wait 2 days and recover &
while we are	down well in sweep. Surpose to stop oxidation
Weil Turasam) in situ.
o operations	[1 year pre-operational monitoring has been completed anciety
willer 11nd	eaple final reprost
31	shifts) Normally person / slopt with Hrs will be 2 people
. 15.	Organization and Administration (Management organization, RSO, authorities and responsibilities, authorized users, qualifications,
	supervision, etc.). Cova uses nadipartiverhede source of cs 137
	74230
	Tom Vogt Danvey
)	Plant Supervisor + ASO+ Ew. Mgi (Harrison Peat
	See attached chart (page A-C

State of

16.	Facilities (Use facilities, storage facilities, control of access, control devices and alarms, etc.)
	section 9 Fevrel (no devices no
	Section 12- Warehouse + admin alarmo)
	Gotes closed each night, Rd. occeas controlled each mite.
	(- M of Co or I of O o 2 Amile where I was
y	c banels have been aligned to ceces to admin (se 12)
	5 tepis (29 barrels ofthe regressing 7,000 lb - shipped) out.
	a year again). Y.C. 5 torge area should be surply.
17.	Equipment (Devices utilizing licensed material, monitoring instrumentation, special equipment as glove boxes, hoods, handling tools, respirators, etc.)
	Emergening closet has emerg eping.
	LUDLUM Maligg alarm agatem - plaha person
	Deputam - Carl calib - May 10, 1974, Que 194
. 18.	Radiological Safety Procedures (Written operating and emergency procedures, availability of procedures, license and regs, training, Form AEC-3, etc.)
	is notten paracedules an hand.
	Monthly Fakety Meetings
	annual 8- by update (about 1-hr for rad. 5 glety)
	Expose the second secon

ype of '
osure
Jur/no
2n Jan
d. Reize
ethod . T
oassay,
igel
sheet, p. A. 3.
TO SEE THE SECRET PROPERTY OF THE SECRET
h claryed
244)
ts, flow
1 samples,
le radon tous
belians attach
5 angale attal
northly. [A-5]
District of the Control of the Contr
aveily ses.
Option of this community for the Televisian section (1976).
Statistics of Alexanders and Alexand

rothing from section 9 dispued as atten than track. 22. Disposals (Methods, typical quantities, etc.) Syr. (194 banels of mire waste (25A) Sail Foregries from agrell and the sent to ken Male years (4 truebloads) sand & arewell Talis are stored gold samples (2 tous Trash from Section 9 - golom puts Miscellaneous Surveys, Evaluations and Records (External radiation levels, contamination levels, leak tests, etc.) 5 alif trash in lamelo to leak tests necessing 18 to 22 ur/av at perimeter on map Biseline sliews 30ut/hr, april 1979 Oct 1979 ahours 35 uv/ur apr 190x alous 20 ur/nh Quart Reports artimitted to E () beening Special License Conditions Well 5 ampling wouldance + Epculaion notification additional monitory wells

Emergency sesponse Northelephone dos.)
above on hand.

29. Operational Records

and thumbel one

(Inventory control records

Flow meter monitoring

Signin loss etc.

operator los book vanous data sheets) in operators office

30. Land Use

Monument, see 27 - Pandarea bened worker bened and capthonal well sites not bened bened Flood control ditches in the area (see 20)

See 15, 16 new well field on stand by.

	neidents, Overexposures, Theft or Loss, Equipment Malfunction (Those
n	ot described elsewhere should be reported here.)
	Break is line in poul #3, Repaired
,	immediately (incl blown effect tear in target plante
w	aler array: / 400 mgl. va
	500 mg/e 504 1 1 1 1 1 1 1 1
	. 4000 mg/l cl sel werker when
	*
32. 0	ther Information or Continuation from Previous Paragraphs
. (Calibrationis RASCAL Ser Lith Beta Gamma
	colibrated 4/16/PY by Election Proble
	Cullin Gerger Mad 2, 10343
	· Calib 5/31/83 due 5/31/44
	196M-1 5er 105 sent may 7,198 x to Eler.
	(Cast done 5/9/P3)
	the state of the s
-	
_	
-	

STATE AGREEMENTS BRANCH DIVISION III INFORMATION NOTICE

Other

H.-1 - Implementation of Part 19 Equivalent

The purpose of this Information Notice is to provide the SAB staff and the Agreement States with a check list of items for implementing Part 19, or the State equivalent, for agreement material licensees.

The checklist is attached.

IMPLEMENTATION OF PART 19 EQUIVALENT REGULATION

Check List

POS	TING	Yes	No	N/A	*N/R
Α.	Equivalent regulations to Parts 19 & 20	1 0			
B. C. D. E.	The license and license conditions	V			The state of the s
C.	Document tied to the license	V		1	
D.	Operating procedures	V			***************************************
	Any Notice of Violation, proposed Penalties or Orders		V		
F.	Notice to Employees	V			
G.	Documents, notices, or forms required to be posted are posted in a sufficient number of places to permit being seen when going to and from any licensed activity location to which the document applies.	V			
н.	Documents, etc., are legible and have not been altered.	V			
Ι.	Agency documents posted pursuant to I.E. and have been posted within 2 working days after receipt.			V	
J.	Licensee response, if any, posted for a minimum of 5 working days, or until corrective action was completed, whichever was later.			v	
	When posting of items I.A., I.B., I.C., I.D. is not practicable, the licensee may post a notice describing the material and where it may be seen.				

*Not Reviewed

INS	TRUCTION TO WORKERS	Yes	No	N/A	
Α.	Individuals working in or frequenting restricted areas have been kept informed of storage, transfer or use of radioactive materials.	\ \nu			
В.	Persons in A. have been in- structed in health protection problems associated with ex- posure to such radioactive materials.	V			
c.	Persons in A. have been instructed in precautions and procedures to minimize exposures and the purpose and use of protective devices employed.				
D.	Persons in A. have been instructed in, and instructed to observe, to the extent within the worker's control, the applicable provisions of the Agency's regulations and license conditions.	V			
Ε.	Persons in A. have been instructed of their responsibility to report promptly to the licensee any condition which could or has caused a violation of Agency regulations, license, or unnecessary exposure to radiation or radioactive material.	~			
F.	Persons in A. have been instructed in the appropriate response to warnings regarding any unusual occurrence or malfunction that may involve radiation exposure.	V			
G.	Persons in A. have been instructed in the radiation exposure reports which can be requested.	V			
	The extent of the instructions should be commensurate with the real or potential radiological health hazards.				

...

I

NOT	IFICATIONS AND REPORTS TO INDIVIDUALS	Yes	No	N/A	N/R
Α.	All radiation exposure data (internal and external) has been reported to the individuals noted in II.A as specified below.	V			
В.	Reports as specified in III.A. have included the appropriate legend "This report is furnished to you under the provisions of the (Agency) regulations You should preserve this report for further reference."	V			
с.	The licensee has upon request of any worker advised him annually of his radiation exposure as shown in records maintained pursuant to Agency regulations.	V			
D.	The licensee has upon request of any former worker furnished a report of his radiation exposure to him.	V			
Ε.	The licensee has provided his workers with reports of any exposure to these workers which are required to be submitted to the Agency.	V			

Radiation exposure data for an individual, and the results of any measurements, analyses, and calculations of radioactive material deposited or retained in the body of an individual, shall be reported to the individual as specified. The information reported shall include data and results obtained pursuant to Agency regulations, orders or license conditions, as shown in records maintained by the licensee pursuant to Agency regulations. Each notification and report shall: be in writing; include appropriate identifying data such as the name of the licensee, the name of the individual, the individual's social security number; include the individual's exposure information.

II

III. NOTIFICATIONS AND REPORTS TO INDIVIDUALS (Cont'd.)

At the request of a worker formerly engaged in licensed activities controlled by the licensee, each licensee shall furnish to the worker a report of the worker's exposure to radiation of radioactive material. Such report shall be furnished within 30 days from the time the request is made, or within 30 days after the exposure of the individual has been determined by the licensee, whichever is later; shall cover, within the period of time specified in the request, each calendar quarter in which the worker's activities involved exposure to radiation from radioactive materials licensed by the Agency; and shall include the dates and locations of licensed activities in which the

De De	orker participated during this eriod.	Yes	No	N/A	N/R
	SENCE OF REPRESENTATIVES OF LICENSEES WORKERS DURING INSPECTION				
Α.	Agency inspectors were allowed to consult privately with workers on appropriate matters. (1)	V			
В.	Inspector was informed of the identity of the worker's representative for Agency inspections. (2)			V	
С.	The worker's representative was allowed to accompany the inspector during the inspection of physical working conditions.			V	
	(1) Inspectors may consult privately with workers concerning matters of occupational radiation protection and other matters related to applicable provisions of the regulations and licenses to the extent the inspectors	/			

IV. PRESENCE OF REPRESENTATIVES OF LICENSEES WORKERS DURING INSPECTION (Cont'd)

deem necessary for the conduct of an effective and thorough inspection.

During the course of an inspection any worker may bring privately to the attention of the inspectors, either orally or in writing, any past or present condition which he has reason to believe may have contributed or caused any violation of the chapter, or license condition. or any unnecessary exposure of an individual to radiation from licensed radioactive material under the licensee's control. Any such notice in writing shall comply with the requirements of the following:

(2) Any worker or representative of workers who believes that a violation of the regulations in this chapter, or license conditions exist or have occurred in license activities with regard to radiological working conditions in which the worker is engaged, may request an inspection by giving notice of the alleged violation to the Director of the Agency or to Agency inspectors. Any such notice shall be in writing, shall set forth the specific grounds for the notice, and shall be signed by the worker or representative of workers. A cory shall be provided the licensee by the Director of the Agency or the inspector no later than at the time of inspection except that, upon the request of the worker giving such

IV. PRESENCE OF REPRESENTATIVES OF LICENSEES WORKERS DURING INSPECTION (Con't)

notice, his name and the name of individuals referred to therein shall not appear in such copy or on any record published, released, or made available by the Agency, except for good cause shown.

(3) Each worker's representative shall be routinely engaged in licensed activities under control of the licensee and shall have received instructions as specified in II.

Different representatives of licensees and workers may accompany the inspectors during different phases of an inspection if there is no resulting interference with the conduct of the inspection. However, only one worker's representation at a time may accompany the inspectors.

With the approval of the licensee and the worker's representative an individual who is not routinely engaged in licensed activities under control of the license, for example, a consultant to the licensee or to the workers' representative, shall be afforded the opportunity to accompany inspectors during the inspection of physical working conditions.

Notwithstanding the other provisions of this section, inspectors are authorized to refuse to permit accompaniment by any individual who deliberately interferes with a fair and orderly inspection. With regard to any area containing proprietary information, the workers' representative for that area shall be an individual previously authorized by the licensee to enter that area.

SAFETY SUGGESTIONS RECEIVED DURING INSPECTIONS

During inspections, inspectors may receive safety suggestions relating to plant conditions or operations from licensee employees. Inspectors must be receptive to such suggestions and should attempt to resolve or deal with each one received. Even in those cases where the suggestion would require a licensee to do more than is required by NRC regulations, license conditions, or technical specifications, the inspector should discuss the suggestion with the employee and provide, to the best of the inspector's ability, the options that are available.

Depending upon the nature of the suggestion, some possible courses of action are as follows:

- Encourage the employee to forward the suggestion in writing to plant management and, if appropriate, to the NRC.
- 2. For matters clearly under the jurisdiction of another F isral agency, or a state or local agency, encourage the employee to contact the appropriate agency, or offer to bring the information to the attention of the proper official.
- Inform the employee that the matter will be evaluated and, if appropriate, brought to the attention of NRC management.

It is important that an employee profferring a suggestion related to safety be made aware that the NRC is interested in such suggestions and they will be pursued.

re	eliminary Format for a Monthly Uranium Tailings Impoundment Repo ue on the 10th of each month for previous month)	
di	ue on the 10th of each month	
	Monthly survey of tailings embankment elevations and beach	
1	Monthly survey of tailings embankment elevations and distances)	
-	widths (attach map with the feet	+
	Minimum monthly freeboard (from daily operator logs):feet	
1	Minimum monthly , toose feet.	
	Minimum monthly beach width (from daily logs): feet.	
	f discharge: gpr	m.
	Seepage conditions: a) estimate of seepage discharge:gpm	
	Seepage conditions: a) estimate of seepage conditions: b) condition of seepage drains: c) level of wetted sand above seepage collection ditch: feet.	et
	c) level of wetted sand above seepage contonth: feet.	
	d) change in wetted level	
	Erosion on impoundment face: Evidence of cracks or settlement:	
	Erosion on impoundment race.	
	Evidence of cracks of sections	
	Changes in condition of berms on diversion and seepage ditches	
	Since previous month:	
	Washing change in phreatic surface within impoundment since	
	Maximum change in phreatic surface within impoundment since feet.	
	Maximum change in phreatic surface within impoundment since previous month: feet. feet. table it a evaluation or complete analysis (attach report	t'.
	Maximum change in phreatic surface within impoundment since previous month: feet. feet. table it a evaluation or complete analysis (attach report	t'.
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis):	t'.
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis):	t'.
	Maximum change in phreatic surface within impoundment since previous month: feet. feet. table it a evaluation or complete analysis (attach report	t'.
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis):	t'.
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis):	t'.
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion:	t .
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion:	t'.
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion:	t'.
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion:	t'.
	Maximum change in phreatic surface within impoundment since feet. Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion: Unusual events (high runoff, tailings line leaks or clogging, emergency shutdowns etc.) and corrective action taken:	
	Maximum change in phreatic surface within impoundment since feet. Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion: Unusual events (high runoff, tailings line leaks or clogging, emergency shutdowns etc.) and corrective action taken:	
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion: Unusual events (high runoff, tailings line leaks or clogging, emergency shutdowns etc.) and corrective action taken: Volume of solids: tons. Volume of liquid:	acr
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion: Unusual events (high runoff, tailings line leaks or clogging, emergency shutdowns etc.) and corrective action taken: Volume of solids: tons. Volume of liquid:	acr
	Maximum change in phreatic surface within impoundment since previous month: Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion: Unusual events (high runoff, tailings line leaks or clogging, emergency shutdowns etc.) and corrective action taken: Volume of solids: tons. Volume of liquid: a Construction and maintenance during month:	acr
	Maximum change in phreatic surface within impoundment since feet. Recent stability evaluation or complete analysis (attach report or indicate date of last analysis): Stabilization measures to reduce blowing sands and erosion: Unusual events (high runoff, tailings line leaks or clogging, emergency shutdowns etc.) and corrective action taken:	acr

Signature of environmental coordinator or tailings manager

ATTACHMENT A

The revised organizational chart is shown below.

Monthly - ASSAGI, ALB

Mobiloil (dew York Mobil 2/t. Engeges (Denver) (Goal, Ur, ail shale,
General Manager

Uranium/Minerals

D. Walker Producing Manager

T. Griffith Hydrological and Producing Operations Environmental Affairs Engineering Manager Manager Manager G. A. Cresswell (T. C. Vogt) - W. H. Rugeley New Budy Permitting Coordinator Plant Supervisor Process Engineering RSO Manager W. A. Steingraber Harrison Peak, Plant Super (operations) J. L. Long J. W. Nance (all but laye oper)

(all but laye oper)

(april Garled) oper)

(april Calis (CDM)

PARTICULATE: COMPOSITE AMALYSES- QUARTERLY
QUARTERLY PERIOD: 18TH - FEBRUARY, MARCH, APRIL, 1984
Crownpoint Test Pilot Leach, Section 9
McKinley County, New Mexico

	lity					
QUARTERLY	Downwind of Facility	<0.002	0.0 ± 0.05	0.0 ± 0.05	0.0 ± 0.03	
VNO	Ubwind of Facility	<0.002	0.0 ± 0.08	0.0 ± 0.08	0.0 ± 0.04	
STANDARD	(pCi/m ³) <u>2</u> /	100.0	2.0	30.0	100.0	
	Determination (pCi/m ³)1/	orinium (as U308), Total (pCi/m³)	Thoriun - 230	Radfum - 226	Lead - 210	

^{1/} Variability of the radioactive disintegration process (counting error) at the 95% confidence level, 1.050.

(2)

To state or thew Mexico Radiation Protection Regulations, Filed April 21, 1950, Section 4-130 (page 4-3) Appendix A Table 1, Column 1.

Trip to Mobil Monday AM Start 9:30 TO Mobile Tules noy 15, 1984 End 3:45 End Fairis weel AM 5tant 6:45AM) TO Ken McGel may 16, 1897 Earl 12:00 with woline and Thurs AM & PM change Hi tol Filter Fri: to Mobil start 8:15 To Mail
May 18, 1988 End 4:15 Curons duage Friday May 25: to Molul - to pick up RGM-1 Radon Monutor (for comparison with Mobil regarded data - see A- Bor result.

200

Mobil Back Mobile Back Ciple count wight (120 mm) Wipls whole 1 +38 conternear 2 ±32 202 650 231 Charge kin 3 611 569 1.0 566 a.o ± 67 wash sink (x) 654 78 ± 23.8 127 140 39.0 (Distousule

A- (F)

Radon Measurements MOBIL 5/18/84 at permanent station CPH TIME at NE course of Ferre line 1400 422 (Downwind 5 Cation) 1500 321 # 111 1600 306 1700 248 Pa/e= CPH-342 1200 266 1900 256 2000 250 272 2200 296 2300 5/19/84 0000 307 0100 to 10:00 \$114/84 5/25/84 20410 TOT average as reported 6 X24 +9= 14+9= 153 HRS 20410 = 385.1 CPH = 0.20 paile over I year period at same station by Mobil. 10:00ta 10:10 40/0= 4.0 CPM = 240 CPH 10:10 to 10:20 47/10 = 4.7 CFM = 282 CPH

This measurement was independent of Mobil measurements at the same station: Their R&M-1 was heing calibrated by Etherline when measurements when taken to he taken. They expect their instrument to be returned before Tune 15,194% when we will-make ade-by-side measurements for 30 days and compare.

E Ferel End 10: 20 AM 000001 000047 19 99:99 000000) 99:99 99:99 000000 99:99 000015 (020410) 99:99 99:99 00030700 99:99 000336 13 0002967 99:99 99:98 0002724 99:99 000250 1 99:99 000256 19 99:99 000266 18 99:99 00024819 99:99 0003064 99:99 00032115 99:99 0004351400 200000 99:99 99:99 gample # 111 pa/e = CP# -342

DRAFT INSPECTION REPORT FORM

Name and address	ring PAUL				1 1
NO011-01	COMPANY	_ 3. To	pe of Ins	ection _/	Papulul
CROWNPOIN	TAM	• 500		**	
	873/3				
*	da , ndrassassas na unament una veges proservano nas resouvementament				
License number(s), docket number(c. Category and I	(s), number Priority of	and date of	of last an	nendment
NM-MOB	-UL-03		****	*	
					:
	y* .	A COLUMN TO THE PROPERTY OF TH			
		AND AND ADDRESS OF THE PARTY OF		* * *	
			1 Drie 10		
Date of previous	and pool and	Taily,	77.3	-	
* * * * *	ormation	and the second s	7773		
* * * * *	and pool and	and the second s	7773		
* * * * *	and pool and	and the second s	7773		
Proprietary info	ormation Av	N		me -	annia
Proprietary info	and pool and	N			anna
Proprietary info	ormation Av	N		ne -	annia
Proprietary info	ormation Av	N		we .	annua
Proprietary info	ormation Av	N		ine -	annia
Proprietary info	ormation Av	N		we -	and the same of th
Proprietary info	ormation Av	N			and

T.G.BROUGH-			operations, NA
SAM SIMPSON-	num state and a special section of the section of t		DEFICER
Commission of the second condition and the second condition of the second cond	aureus en estar y financia en		
	aller till samt av till som de for hande et en ef andre sjere till å det en till se en en en et el		
ACTION AND ACTION AND ACTION ASSESSMENT AND ACTION ASSESSMENT ASSE			
Management Interview ((Information req	uired for N/	C cases)
N/A		to the second	
and procedure for which the process and the process are the process and the pr			
A STATE OF THE PARTY OF THE PAR			
And Datas Tet	ter to Licensee	Tune	25,1984
	-591 Clear		Nijes i
		areal garagerest reservices did recording to the	and the same of th
AEC .	-591 N/C	to 5008	1975
Recommend reinspection	n date / xmc	and the same of th	NAME OF THE PARTY
		,	
Theodore.	The same of the sa	-	June 25, 195 Date of Report
Inspect	or		Dutt to in-

13.	Inspect. A Summary (Including violations and safety items, and status of previously reported violations and safety items, etc.)
	. no previous violationis, no current molationis.
	no violationis living this mageetion.
	side by Side Measurements for Radon in SE corner
	proposed when Mobil's ROM-1 is returned from
	proposed when Mobil's ROM-1 is returned from repair (passibly to be done in July, 1984).
14.	Summary of Licensed Program (Kind of program, number of people, rate of use or quantities on hand, places and frequency of use, type,
	will be Injecting H I wait 2 days and recover I
	will be Injecting Hay wait 2 days and recover I
galo/min blest gois	m from wello adding to blind as it gols
when maring	down well in sweep. Purpose, to atop oxidation
devel necessar!)	in situ.
marghand.	(glas pre operations montes ing has very conferred recalled
yw. 11pl	rople final report
3/	elifts) Normally person / slook with H25 will be 2 people abige
15.	Organization and Administration (Management organization, RSO,
	authorities and responsibilities, authorized users, qualifications, supervision, etc.)
	nadioactivecheck source Cs 37
	74 00
	Plant Supervisor + R50+ Ew. Mgi (Herrison Peot
	Plant Supervisor + RSO+ Ew. Mgi (Herrison Peat
	see attached chart (page A. O.

Me particular and particular sound high and sound h

16.	Facilities (Use facilities, storage facilities, control of access, control devices and alarms, etc.)
	Section 9- Fewel (no devices no
	5 ection 12 - Warehouse + admin alarmo)
	Coto closed early might Rd. acres controlled each mite.
	(all at sec 9 on weekends) = 2 supervisors lave C. barrelo have been alipped to occas to admin (se 12)
y	"C barrelo have been alipped to cees to amin (set)
	5 Telas (29 barrels ably reguessy 7,000 lb - Slunger out
	a year again). Y. C. 5 torge over should be empty.
17.	Equipment (Devices utilizing licensed material, monitoring instrumentation, special equipment as glove boxes, hoods, handling tools, respirators, etc.)
	Emergenin closet has emerg . epip.
	decontain. Cast calib - may 10, 1949, due 194
,	
. 18.	Radiological Safety Procedures (Written operating and emergency procedures, availability of procedures, license and regs, training, Form AEC-3, etc.)
	written jarviedues an hand.
	Mante. Sahely Meetings
	annual 8- he update (about 1-hr for red. 5 glety)
1	

	19.	Personnel Monitoring and Exposure to External Radiation (Type of
		monitoring, range of exposures, supplier, period worn, exposure history, etc.)
		Everybody badged freezet see.
		monthly; Eberline Filed
0000	Lud	Rum averge dore = 0 (12 to 16: mr/mo). 2n Jan (
Colin.	Elle	While equals brokerand. (Rej.)
	20.	Exposure of Employees to Airborne Radioactive Materials (Method ')
	1	of evaluation, type of samples, radioisotopes, records, bioassay, etc.) Monthly how assup John Calls.
		monthly survey monthly reports.
		Y.C. hardly monthly 24-44 & augale
		: uprivind (sel attached sheet, p. A 2)
)		Downwad !
		Restoration taulif closed belog uc = . 02 in Feb, charged
the .		procedures to wentelate then deropped to . 00 z uc)
	21.	Effluents to Unrestricted Areas (Types, source, measurements, flow rates, applicable MPC, analytical procedures, environmental samples,
		etc.)
		Rn Downind 12 to . 41 (ao = 2 - 2 pile radon) tree
		Rn Downind 12 to . 41 (ao = 2 - 2 pie/e radon) tree (Monthly owerages submitted to liceious es)
		4:00 uprind <.002) 2x-hr 5 ample attal
		Downwid C.002 monthly. [A-9]
		analytical lob in ally das averly ses
		(2 wells ofter 5 amplies)
		the state of the s
1 : .		

rothe from section of deposed as atter than track 22. Disposals (Methods, typical quantities, etc.) Syr. - (198 banels of mire waste (15A secum - Sail & crugings from spells and the sent to ken Male years (4 truebiloads) sand & arewell Tulis area stored and samples (2 tous weehol May 13-18, 1984. Solid trash in lemelo Trash from Section 9 - golson saits ignostoport Splalahrwuh 2/1 gal drums for bluiels

Miscellaneous Surveys, Evaluations and Records (External radiation

levels, contamination levels, leak tests, etc.) no leak tests necessing 18 to 22 ur/av at perimeter on map Buseline sliows 30 ur/hr, april 1979 cet 1979 alones 35 jev/ur apri 190x alous 20 ur/nn Quart reports arbiteted to E (8 lecuring Special License Conditions well sampling wouldons + Eperson notification Pond conditions additional monitoring wells

Dated: april, 1982 (Shipping Decontain)

[Un. oil cone. (SA malerial Shipping and Trans. Dieseled Response Givele)

Emergency/Contingency Response Plans

[Un. oil cone. (SA malerial Shipping and Trans. Dieseled Response Givele)

Emergency plapause Nost telephone use.)

above on hand

about 2 control reads

about Flow meter monitoring

and thumber 5 ign in lap etc.

whether operator lap book in operators office

Various data sheets) in operators office

30. Land Use

Monitoring wells on leaved property- just outside Obfiel + wallowse of section 9 Fevoral Monument, See 2P - Pandarea bened warehouse bened additional well sites not bened Flood control ditches in the area (5 see 24) 50e 15, 16 new well field on stand by.

--

	neidents. Overexposures, Theft or Loss, Equipment Malfunction (Those
r.	or described elsewhere should be reported here.)
	Break in line in poul #3. Repaired
	Break in line in poul #3. Repaired immediately (wind blown effect, toan in tought place
w	aler assay: / 400 mgl. va
	5500 mg/e 504 sil evilved report
32. 0	ther Information or Continuation from Previous Paragraphs
. (Calibrations RASCAL Ser with Beta Ganns
	Colibrated 4/16/PY by Electine Parallel
	Cullin Geyer Mad 2, 10343
	· Calib 5/31/83 due 5/31/84
	196M-1 ser 105 sent May 7,198 x to Eller.
•	(Cast done 5/9/P3)
	Jan Corre
-	
-	
-	
6 .74	

.

STATE AGREEMENTS BRANCH DIVISION III INFORMATION NOTICE

Other

H.-1 - Implementation of Part 19 Equivalent

The purpose of this Information Notice is to provide the SAB staff and the Agreement States with a check list of items for implementing Part 19, or the State equivalent, for agreement material licensees.

The checklist is attached.

IMPLEMENTATION OF PART 19 EQUIVALENT REGULATION

Check List

POS	POSTING		No	N/A	*N/R
Α.	Equivalent regulations to Parts 19 & 20	1 0			
В.	The license and license conditions	V			
C.	Document tied to the license	V		1	
D.	Operating procedures	V			
E.	Any Notice of Violation, proposed Penalties or Orders		-		
F.	Notice to Employees	V			
G.	Documents, notices, or forms required to be posted are posted in a sufficient number of places to permit being seen when going to and from any licensed activity location to which the document applies.	0			
н.	Documents, etc., are legible and have not been altered.	V			
Ι.	Agency documents posted pursuant to I.E. and have been posted within 2 working days after receipt.			V	
J.	Licensee response, if any, posted for a minimum of 5 working days, or until corrective action was completed, whichever was later.			V	
	When posting of items I.A., I.B., I.C., I.D. is not practicable, the licensee may post a notice describing the material and where it may be seen.				

*Not Reviewed

INS	TRUCTION TO WORKERS	Yes	No	N/A	
Α.	Individuals working in or frequenting restricted areas have been kept informed of storage, transfer or use of radioactive materials.	\ \rangle			
В.	Persons in A. have been in- structed in health protection problems associated with ex- posure to such radioactive materials.	V			
C.	Persons in A. have been instructed in precautions and procedures to minimize exposures and the purpose and use of protective devices employed.	1			
D.	Persons in A. have been instructed in, and instructed to observe, to the extent within the worker's control, the applicable provisions of the Agency's regulations and license conditions.	V			
E.	Persons in A. have been instructed of their responsibility to report promptly to the licensee any condition which could or has caused a violation of Agency regulations, license, or unnecessary exposure to radiation or radioactive material.	V			
F.	Persons in A. have been instructed in the appropriate response to warnings regarding any unusual occurrence or malfunction that may involve radiation exposure.	V			
G.	Persons in A. have been instructed in the radiation exposure reports which can be requested.	V			
	The extent of the instructions should be commensurate with the real or potential radiological health hazards.	_			

NOT	IFICATIONS AND REPORTS TO INDIVIDUALS	Yes	No	N/A	N/R
Α.	All radiation exposure data (internal and external) has been reported to the individuals noted in II.A as specified below.	V			
В.	Reports as specified in III.A. have included the appropriate legend "This report is furnished to you under the provisions of the (Agency) regulations . You should preserve this report for further reference."	V			
с.	The licensee has upon request of any worker advised him annually of his radiation exposure as shown in records maintained pursuant to Agency regulations.	V			
D.	The licensee has upon request of any former worker furnished a report of his radiation exposure to him.	V			
Ε.	The licensee has provided his workers with reports of any exposure to these workers which are required to be submitted to the Agency.	V			

Radiation exposure data for an individual, and the results of any measurements, analyses, and calculations of radioactive material deposited or retained in the body of an individual, shall be reported to the individual as specified. The information reported shall include data and results obtained pursuant to Agency regulations, orders or license conditions, as shown in records maintained by the licensee pursuant to Agency regulations. Each notification and report shall: be in writing; include appropriate identifying data such as the name of the licensee, the name of the individual, the individual's social security number; include the individual's exposure information.

III. NOTIFICATIONS AND REPORTS TO INDIVIDUALS (Cont'd.)

At the request of a worker formerly engaged in licensed activities controlled by the licensee, each licensee shall furnish to the worker a report of the worker's exposure to radiation of radioactive material. Such report shall be furnished within 30 days from the time the request is made, or within 30 days after the exposure of the individual has been determined by the licensee, whichever is later; shall cover, within the period of time specified in the request, each calendar quarter in which the worker's activities involved exposure to radiation from radioactive materials licensed by the Agency; and shall include the dates and locations of

	nsed activities in which the er participated during this od.	Yes	No	N/A	N/R
	CE OF REPRESENTATIVES OF LICENSEES RKERS DURING INSPECTION				
Su	gency inspectors were allowed to con- alt privately with workers on appro- riate matters. (1)	V			
of	Inspector was informed of the identity of the worker's representative for Agency inspections. (2)			~	
to	The worker's representative was allowed to accompany the inspector during the inspection of physical working conditions.			V	
(1) Inspectors may consult privately with workers concerning matters of occupational radiation protection and other matters related to applicable provisions of the regulations and licenses to the extent the inspectors				

IV. PRESENCE OF REPRESENTATIVES OF LICENSEES WORKERS DURING INSPECTION (Cont'd)

deem necessary for the conduct of an effective and thorough inspection.

During the course of an inspection any worker may bring privately to the attention of the
inspectors, either orally or in
writing, any past or present
condition which he has reason
to believe may have contributed
or caused any violation of the
chapter, or license condition,
or any unnecessary exposure of
an individual to radiation from
licensed radioactive material under
the licensee's control. Any such
notice in writing shall comply
with the requirements of the
following:

Any worker or representative of workers who believes that a violation of the regulations in this chapter, or license conditions exist or have occurred in license activities with regard to radiological working conditions in which the worker is engaged, may request an inspection by giving notice of the alleged violation to the Director of the Agency or to Agency inspectors. Any such notice shall be in writing, shall set forth the specific grounds for the notice, and shall be signed by the worker or representative of workers. A copy shall be provided the licensee by the Director of the Agency or the inspector no later than at the time of inspection except that, upon the request of the worker giving such

IV. PRESENCE OF REPRESENTATIVES OF LICENSEES WORKERS DURING INSPECTION (Con't)

notice, his name and the name of individuals referred to therein shall not appear in such copy or on any record published, released, or made available by the Agency, except for good cause shown.

(3) Each worker's representative shall be routinely engaged in licensed activities under control of the licensee and shall have received instructions as specified in II.

> Different representatives of licensees and workers may accompany the inspectors during different phases of an inspection if there is no resulting interference with the conduct of the inspection. However, only one worker's representation at a time may accompany the inspectors.

With the approval of the licensee and the worker's representative an individual who is not routinely engaged in licensed activities under control of the license, for example, a consultant to the licensee or to the workers' representative, shall be afforded the opportunity to accompany inspectors during the inspection of physical working conditions.

Notwithstanding the other provisions of this section, inspectors are authorized to refuse to permit accompaniment by any individual who deliberately interferes with a fair and orderly inspection. With regard to any area containing proprietary information, the workers' representative for that area shall be an individual previously authorized by the licensee to enter that area.

SAFETY SUGGESTIONS RECEIVED DURING INSPECTIONS

During inspections, inspectors may receive safety suggestions relating to plant conditions or operations from licensee employees. Inspectors must be receptive to such suggestions and should attempt to resolve or deal with each one received. Even in those cases where the suggestion would require a licensee to do more than is required by NRC regulations, license conditions, or technical specifications, the inspector should discuss the suggestion with the employee and provide, to the best of the inspector's ability, the options that are available.

Depending upon the nature of the suggestion, some possible courses of action are as follows:

- Encourage the employee to forward the suggestion in writing to plant management and, if appropriate, to the NRC.
- 2. For matters clearly under the jurisdiction of another Federal agency, or a state or local agency, encourage the employee to contact the appropriate agency, or offer to bring the information to the attention of the proper official.
- Inform the employee that the matter will be evaluated and, if appropriate, brought to the attention of NRC management.

It is important that an employee profferring a suggestion related to safety be made aware that the NRC is interested in such suggestions and they will be pursued.

ATTACHMENT A The revised organizational chart is shown below. Mobiloil (aero York) Mobil 21t. Enjeyees (Denver) (Goal, Ur, ail shale, and, sale, Uranium/Minerals D. Walker Producing Manager T. Griffith Hydrological and Producing Operations Environmental Affairs Engineering Manager Manager Manager G. A. Cresswell W. H. Rugeley T. C. Vogt New Budy Permitting Coordinator Plant Supervisor Process Engineering R50 Manager W. A. Steingraber J. L. Long J. W. Nance Harrison Peat, Plant Super (operations) spectro. - [

(all but large

Quant. Quarterly)

No Radial.

(agui Cals (CDM) maint Monthly - ASSAGI, ALB.

PARTICULATE: COMPUSITE ANALYSES- QUARTERLY
QUARTERLY PERIOD: 18TH - FEBRUARY, MARCH, APRIL, 1994
Crownpoint Test Pilot Leach, Section 9
McKinley County, New Mexico

QUARTEF Y	Downwind of Facility	<0.002	0.0 ± 0.05	0.0 ± 0.05	0.0 ± 0.03	
nb	Upwind of Facility	<0.002	0.0 ± 0.08	0.0 ± 0.08	0.0 1 0.04	
STANDARD	(pCi/m ³) <u>z</u> /	100.0	2.0	30.0	100.0	
	Determination (pCi/m³) <u>1</u> /	urinium (as U30g), Total (pCi/m ³)	Thorium - 230	Radium - 226	Lead - 210	

^{1/} Variability of the radioactive disintegration process (counting error) at the 95% confidence level, 1.960;

^{\$27} State or Hew Mexico Radiation Protection Regulations, Filed April 21, 1950, Section 4-130 (page 4-3) Appendix A Table 1, Column 1.

Trip to Mobil Monday AM Start 9:30 TO Mobile Tules noy 15,1984 End 3:45 End Favris may 16, 187 End 12:00) with mobile and Thurs AM + PM change Hi tal Filter Fri: to Mobil 5 tait 8: 45 Brown)
May 18, 1984 End 4: 15 Caronn)
Place ROM-1 End 4: 15 drap Friday May 25: to Molis - to preh up RGM-1 Radon Monutor (Concomparison with Mobil reported.

(c/ronun) (c/ronun) whoble 1 +38 154 ±302 650 231 202 Charge king 611 569 566 1.0 2.0±67 wash Sinly 654 78± 23.8 39.0 (Distousula tup)

A- (9)

Mobil site

Sec 9

E. Ferrel

End 10: 20 AM

99:99 000047 000000) 546 99:99 99:99 000000 99:99 000015 00030700 000336 13 000296 XV 0002724 0002500 000256 000266 13 0002481 00030616 00032115 99:99 00042214.00 200000 99:99 99:99 ganfles# 111 ganfles# 111 216

Radon Measurements MOBIL 5/18/84 at permanent station TIME at NE course of Ferre line 1400 422 (Downwind 5 Cation) 1500 321 # 111 1600 306 1700 Pa/e = CPH-342 248 1200 266 1900 256 2000 250 2100 272 2200 296 2300 5/19/84 0000 307 0100 to 10:00 5/14/34 5/25/34 20410 TOT awlrage as reported 6 X24 +9 = 14+ 9= 153 HRS 20410 153 = 385.1 CPH = 0.20 pi/2 over I year period at same station by Mobil. 10:00ta 10:10 40/0= 4.0 CPM = 240 CPH 10:10 to 10:20 47/10 = 4.7 CFM = 282 CPH

This measurement was independent of Mobil measurements at the same station: Their R&M-1 was heing Calibrated by Eherline when measurements were taken. They expect their mahument to be returned before Tune 15, 1988 when we will make side-by-side measurements for 30 days and compare,

2/0 8 10 10 North / /NCIV 58 04 5 (drums