



OFFICE OF THE
GENERAL COUNSEL

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 23, 1998

DOCKETED
USNRC

'98 APR 23 P4:22

Clifton A. Lake
McBride Baker & Coles
500 West Madison St., 40th Floor
Chicago, Illinois 60661

RELATED CORRESPONDENCE

OFFICE OF SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

In the Matter of
Conam Inspection, Inc
Itasca, Illinois (License No. 12-16559-01)
(Order Imposing Civil Monetary Penalty)
Docket No. 30-31373-CivP

Dear Mr. Lake:

On February 26, 1998, you requested all documents of the NRC relating to OI Investigation No. 3-96-014, Conam Inspection, Inc. enclosed herewith are:

Handwritten Investigator's Notes (49 pp)
Memo to Donald Funk from Dan Murphy
dated May 24, 1996
Memo to Monte Phillips from Donald Funk
dated May 28, 1996
Memo to Donald Funk from Monte Phillips
dated June 4, 1996

This provides you with all items relating to OI's investigation and completes our response to your discovery requests of February 26, 1998. Certain redactions have been made by the Office of Investigations in the Investigator's notes to protect privacy.

Sincerely,

Charles A. Barth
Charles A. Barth
Counsel for NRC Staff

Enclosures: As stated

cc w/encls: Service list

SECY-EHD-001

DS03
18978

RECORDS IN CASE FILE NUMBER 3-96-014

Various Dates

Handwritten Investigator's Notes (49 pp)

05/24/96

Memorandum for Donald E. Funk, Jr., from
Dan Murphy, Subject: Conam Inspection Investigation (OI Case
No. 3-96-014) , with attachment, (1 p)

05/28/96

Memorandum to Monte Phillips, from Donald E. Funk, Jr.,
Subject: Conam Inspection: OI Investigation Report of Interview
(OI Case No. 3-96-014) (AMS No. RIII-96-A-0046) (1 p)

06/04/96

Memorandum to Donald E. Funk, from Monte P. Phillips,
Subject: Conam Inspection (AMS No. RIII-96-1-0046) Re: OI
Investigations Report of Interviews (OI Case No. 3-96-014) (2 pp)

8-30
11 35

①

[REDACTED]

Radiographer Level II

[REDACTED]

SGS Industrial Serv

Group -

2 Jan '92

40 Rad Safety

Mr Bill Hiestand

Sup Rick Gerhard Rad

Mike Wesschied Shop Mr

Ken Witsen

Give us a test - study manual

Mobil@Joliet Automation Ind 2510%
call out - different - daily

Feb '95 - switched / occasionally
full time days
evening crew sometimes work
switch

daily - crank
connectors
links
locks
6" reading
do + log

24 Apr '95 Keith Tucker - gave instruction to do
Rad Safety Manager 90 day audits

(2)

2-3x

Each source package contains
also copy of inspection

Keith ~~They~~ would call + let me know
cuple days.

Audid - check reading
never lib or cleaned
never that dirty -
Keep camera clean
never ran into problem where you
lib - check stickers - reading

Steve Fay replaced Keith - 2/96

90 day - it was due - he'd
do paper work - I did audit
I saw it was due on 12 - next day
knew it was predated - didn't
ask any questions

End of March - Univer on strike - I was
pulled out - came back to
shop - call out work - diff
camera

(3)

~~July 30~~ July 30 - came back
have diff camera - had one
2 wks - new camera took 2
wks



Doing
paper
for Iltasca

~~_____~~ now sup - was out
of Gung - Gung closed down
just before we came here

2 survey - 3 always
always back to shop to be
calibrate

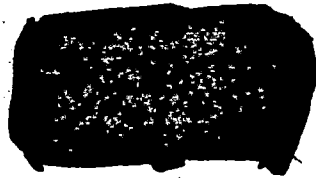
Put out notice - must follow
procedures - lock plunger

There was a big turnover - had
guys coming from Iltasca - no
real turnover - had two jobs
had to review - 6-8 cameras &
gauges

Trying to catch up
Keith gill Find paperwork

Radiographic equipment - 90 day inspection
gauge

3/18/96



called by

Steve Fay

90 day inspection
what entail?
did inspection?
daily inspection?
what entailed

disassemble
clean
lubricate
reassemble

Amerishom
Model 660B
S# B-2872

do you have survey meter @ Unovan

Survey meter
calibrate - 90 day

Costeen incident 2/27/96

gauge

auto lock mesh engaged
key lock plunger depressed

3/14/96

Fay told to calibrate survey meter

Fay gave 15 min

gave 1 hr 15 min

Radio

Fay in Idesca
[REDACTED] still
Skat - RSC

(D)

4-5

Robert J. SLACK
Quality Ass Direct
RSO

1989

78-89 prior to RSO

Index - have individual w/ delegated
authority at various locations w/
delegated duties ie Rad Site Sup

Feb 27 '96

Tucker called me here
inquired about incident
remove individual from service
send badge in processing manual

+ next day - met [redacted] @ Gmy Office
re enacted

Read up on his statements - we made
a calculation - it was higher than
4.6 MP

of worst case 9-36R

Feb 28

Exposure above 5R - notifiable

(2)

Historically we seen. is higher
the actual dose

My decision that NRC not to be
notified

Rad Safety - remove from activity

Rad - discipline

Reenacted for me - he ^{indicated} ~~said~~ that
he did what he was
supposed to do

When Jan & Mary NRC came
out - w/ Gues - he
recreated - different

Rad & I discussed -

(3)

Can't remember if I talked to
day of incident
Told Keith to bring him back

He indicated by motion that survey
was ^{360°} around camera

My intent was to ensure benefit
of our calculations of actual dose

When saw performed differently
w/ NRC I was certainly surprised

He did re-enactment by show - no
actual props

He did say how far up he used on
knee - I thought he was in a
different position

My impression was 4.6 R was
full body exposure

He showed less movement than w/
NRC - just twist - not full
turn

In his defense he was prob extra
nervous -

(3)

X Did you question about body to
same compared to badge

lower on ladder - film badge was
X primary in direct line w/ same
leg not exposed more than funny
back
didn't consider leg exposure

Agree Rudy sent Jper w/ psych
+ convincing policy re: Safety

+ When hired - we verify proper use
of

X Keith Tucker was present at [redacted]
1st re-enactment

Steve told me - in Guy
of means need calibration
w/ (blank) - instead / found
calibration of survey meters

X Subsequently -

X no one told me about problem

✓ Rel who perform radiography
require badge

✓ I would hope one would
consider given out badge

✓ Survey meter is not rad equip

✓ If continued - I would suggest
he have dosimetry

██████ knows business

S.I. 1 - survey is not rad camera

Oversight on Steve's part

I don't think this is a clear
violation that he didn't have dosimetry

I think this is a gray area
~~the manual~~

The manual for the IC-51 Calibrator
did not address the dosimetry issue

9-3
12 40
P

Randy Sweet
Gen Manager

Almost month before
intercom

4-'96 Transferred

Utilities Op Tennessee

End of 20th / March - I wrote up - discipline
[redacted] - accident
no conspiracy

Both upset - violations in past - no
notice
give example - [redacted] signing certificate

did tell about [redacted] - calibrated
[redacted] & Fay -
[redacted] - found out would gain &
investigate - found out under Fair Supm
is refused
old Steve to recalibrate

You say in accident - 1 in
one 2nd we do

Randy Sweet
General Manager
Pager
• 1 800-728-6780

Conam Inspection Inc
1245 Norwood Avenue
Itasca, Illinois 60143-1186
Telephone • 1 630-773-9400
Facsimile • 1 630-773-9285
<http://www.conaminsp.com>

CONAM

STAVELEY [redacted] - GM before me didn't
really review -
1 interviewed [redacted]
1 wrote incident up -
5 days off w/o pay
Red Card removed until 1-1-97

Needs to be retrained
Must attend Road Safe lessons learn!

In my mind - presumably clear
Tech - we're not going to use meter
1 didn't pressure it was a safety issue -
last individual let go plus 2 written up -
was retaliation - not safety
We were waiting until the day when
we had only those meters then we
wouldn't use them

My understanding - [redacted] & Steve only are around

I hired [redacted] in [redacted]
but we never called up him

Teds knew I hired - thought was my friend

I put out notice to vendors to
follow requirements

No retraining



Title
When start w/ Comm

Training
Current duties

Thom Young

3-14-96 - Did you have any activity regarding
calibration of survey meter

Trained to do calibration

Issued dosimetry badge

Did you do any work w/ calibrating

Did you sign Ex A-D

why

Need film & pocket dosimetry

Trust why
why sign all

why no procedures
before work

Stephen L.

9-5
11 ²⁰/_A

~~Steven~~ Fay

Trk Lab Manager
Cost Estimation
Equip Cal
Rad Safety
Cert Tech personnel

used procedure for
And Rad

Conam 10-84 Minnesota
approt 86 + ^{1/2} Technician

INDT, Inc.
South Carolina
2 1/2 yrs

10-90 back Utilities Sup

June-93 Lab Manager
Mosca, IL

Gay operation open in '85
to be competitive
~~used~~ central w/ US Steel

2

Bill Hestand 1st Manager
former of manager

back - Feb '98 released by VP

≈ 93 Keith Tucker, Rad Safety Sup
quiet in 3-96

Much

Wanted to have 1 bldg - ~~at~~ to
at Guy or Hoxa -

Tech at Guy - small crew
here

I didn't want to move - but would
go to Guy for short time

Project Manager

"jack of all trades" - a little bit
of everything -

Pre bid - equip - jobs get off to
good start

Rad Safety was okay but could have
been better - some items were
missing

Calibrations needed to be updated
90 days

3

Frank Beil - Tech Rad Safety Sup
Keith

Selected [redacted] very intelligent
had a lot of training

Keith just resigned - not even two
weeks -

I was told to get to Guy

We had used in Indust Radiography
he had good training

I was checking rad safety

1/2 dozen meters 4 & 5 needed
calibration

Set up [redacted] didn't have read anything

no other tech available

didn't know other tech

I had worked w/ [redacted] a lot in
the

Help me know - I need help now

Spent on 1st meter about 1 hr

1 did first 2 - he was more
hands on on next one

4

1 Went thru each step so thoroughly
~~and~~ for calibration

line of MR on floor
Red Sance packages

1 think we did 5

he did last meter - 1
was in + out -
only about 6-7' from him

1 didn't leave him for any length of
time - I may have run up
front once in a while
but was always in the ^{same} area

1 reviewed his work + w/Al source
paper goes inside meter housing

so many don't follow thru

1 let him sign the paper
as a complete project

5

[redacted] came in and
said why [redacted] not Red Program
why is he signing - I framed
him & he did full project

Do you have problem - No
Paddy Sweet - he heard
S / recalibration

[redacted] He is not a part of the crowd down
he did not in

SX E signed then
SX F

1 Page is device - goes in meter
1 Page is device - in file in Guy
1 Page " comp - to Stock
each has to be redone

just overlooked not checked - my mish
[redacted]

done actually & under my supervision
I tried to verify each & everyone
[redacted] but done any since

6

Guy is still open

No Film badge

Just over sight on my part -
can't remember if he asked or not
he might have - I didn't issue
I know that

1. Knew he didn't have any badge
issued - not radiographer

1. did so after - I sometimes
forget to put all on w/
these meters
no real chance to get into trouble
w/ these meters

1 reviewing Palage Curren
Since the

It was done as of
the 6-12-96

no 90 day -
I did not back
the date to get into file

That was date given to me

1 filled out on that date!

Signed as being done by [redacted] I did
know him

I heard it was done later

No reason for me to do it

Should be actual one done by [redacted]
in file - I never saw it

A review did produce a 5th Ex 1-K

review - no cal sheet for me a
4-12 for EXC

It could have been sent back to ^{man}
or paper is misplaced

NDS 2000

(Larry)

①

90 -

Asst ~~Rad~~
No school
Trainee

Muraine Valley

~ 92 Asst Rad

Wm Hestig - left for another company
Som 93 laid off

(SGS
East Chicago, Ind)

trained to be

May 94 return

Bro come back

Rad

Mar 95
Asst Lal May

Very tight ship

Feb 96 Bill

Steve Fay took over Asst Lal May
come from Itasca

On 3-14-96 I was in office
leds calibrate meter
Steve come back w/in 15 minutes
shuts 15 min/meter
at least 4 - Steve in office
after being

technician -

(2)

Ultrasonics

Mos Particles

Dye Penetrant

No Rad training

" Film badge

Time 1 1/2 hr

Keith Tucker - trained to do & does

" " " & does

I Didn't really know if Fay train
or qualified

came in in afternoon
question signature
why is he doing

asked Fay that

"Have a problem" "You should have
Film badge + trained"

I went into shop

- asked me why
Don't know

calibrate

I never talked to Fay about this only
NRC

A part of group - asked Fay - he said can
calibrate under guidance of Level II

4. [REDACTED] didn't turn ring + loc?
did receive disc - 1 wh off

No training a memo re: incident

5. Everyone at one time or another -
careless

Very tight now - w/ people I've been
out w/

6. Inspection - $\frac{1}{2}$ hr per camera

Rad a site

Mc

Not generally done a site

Use a gauge - everyone has them

No practice done as per board

Itoxa now calls use

I'm not responsible for any rad today
or calibration

Now I am

That is Steve Ruiz's signature

I think RSO knows

Gary lab has been here 6 yrs
Hosca has lab - but we heard
we were moving up

Mr gut - id has been going a
up there

They have \approx 10 guys up, Idesca -
but very little radiography
1 guy in lab - short all the
time

RSD was in March '96 last visit

~~[REDACTED]~~

Randy Sured was away
but didn't seem to
care

Subsid at Stavely Inc
British owned Connell

ATTACHMENT

Licensee: Conam Inspection
2090 East 15th Avenue
Gary, Indiana 46410
License No.: 12-16559-01
Docket No.: 030-31373

Concerned Individual:

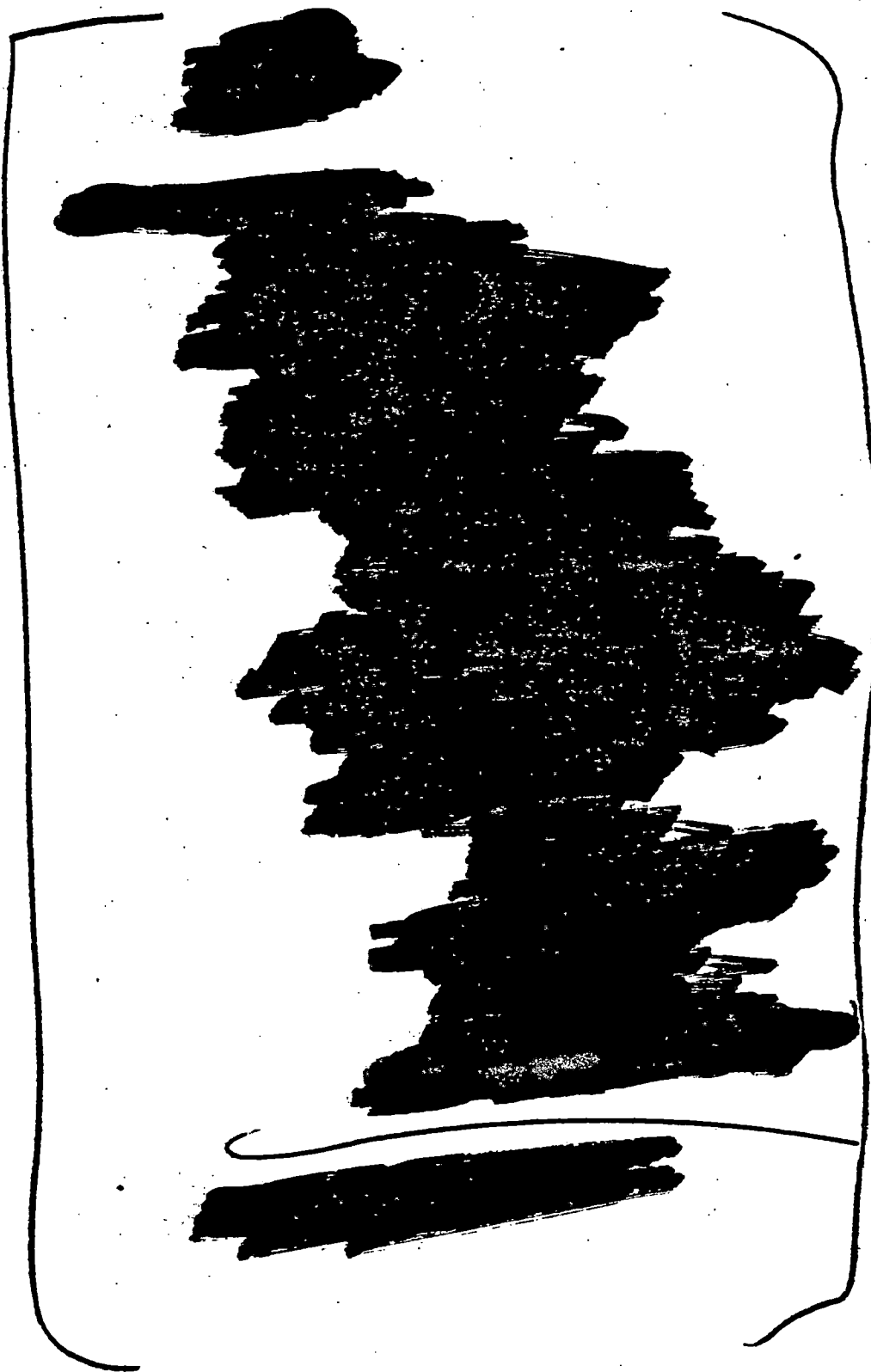
Home Address:

Home Phone:

Individual A:

Individual B: Mr. Steve Fay, Management Representative
Gary, Indiana

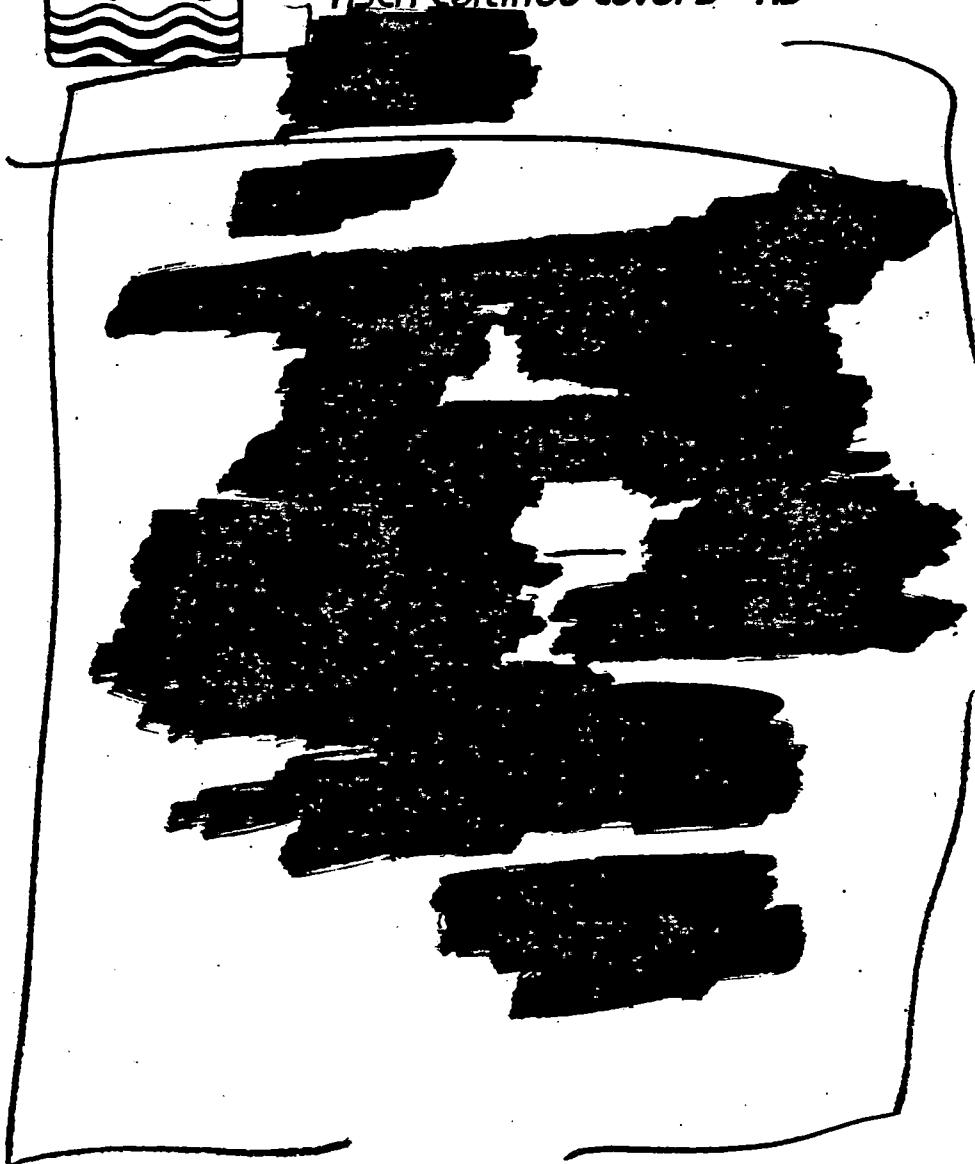
Radiation Safety Officer: Mr. Robert Slack



62



Coach Richard Anderson
ASCA Certified Level 3 - HS



WEST AURORA HIGH SCHOOL
39 Windwood Drive • Aurora, IL 60506
(708) 844-2100

Member of The American Swimming Coaches Association

To Interview

([REDACTED])

([REDACTED])

Radiographers

([REDACTED])

Larry Hastin - Supervisor -
Wm "

[REDACTED]

Need paper on gauge 3/12/96
" " w/ ([REDACTED])

Fay
Randy Sweet
([REDACTED])



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OFFICE OF
INVESTIGATIONS

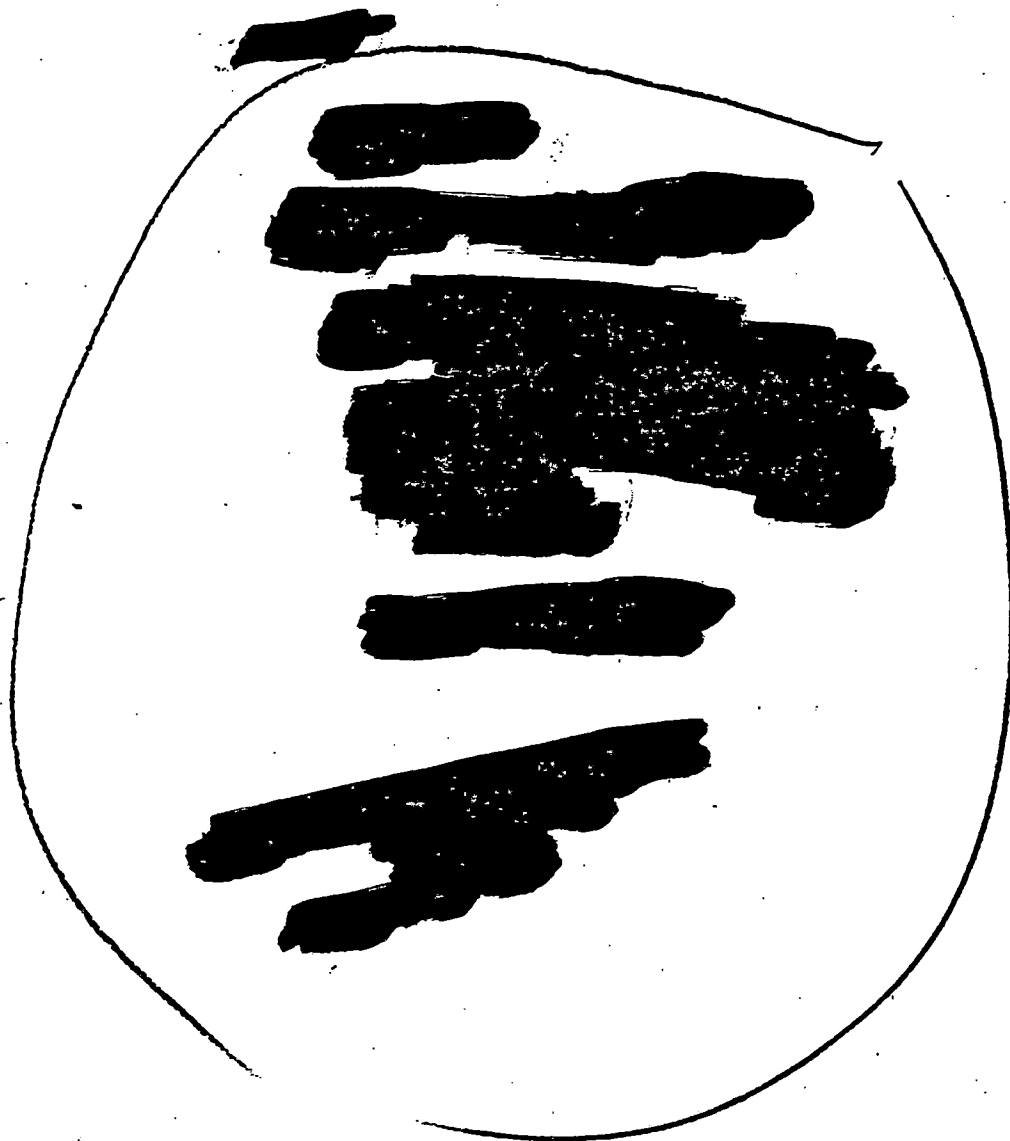
[REDACTED]

Coram Inspection

[REDACTED]

Steve Fay - Supervisor
Randy Sweet - ~~Robert~~ Slack - ~~RS~~
Gen Manager

[REDACTED]



Licensed Condition
License
Card 26
10CFR

1 Not properly trained to calibrate survey instrument Cal 3-14-96

2 Failed to wear film badge

OIT
15-20 min / if ad.
5-10 if no ad.

FAY 3 Mgt did not take action when notified
10 CFR 30.10

Ind A - worker
Did 1+2

CI knew on 3-22-96

Ind B - mgt
Did 3 "not to worry about it"

[redacted] Radiographer -
tell NRC

High Exposure on Film Badge
"Feb 27 Film Badge record"

Did training
records

12/93
Training in AS

2 shots - set 2nd shot recedes
to put auto lock in unsafe but already
in "unsafe" position
didn't rotate selector ring or key
plunger lock

★ "Didn't crank back + forward
Didn't do full 360° survey"

Secure source in shielded position
Didn't ~~at~~ Rotate selector ring operator lock
" " (Depress Key lock)

Was trained + audited on it

When he went to auto lock
From safe to unsafe realized
in unsafe ② locked it & disarming
① tried cranked - had 1/2 turn left


Old equip - could lock & had end of line
had brake on crank -

New equip - has auto lock

" 4.6 Rem "

2nd interview + recorded

3rd - RSO & re-interviewed

Exceed 5 must call -  told RSO
different story

2nd step

4th step

RSO -

90 day - crank
guide
book

Keith Tucker use to do
Red can do

I did see page - [redacted] keeps in truck

Steve paged us - we called back
told [redacted] - needed 90 day - do inspection
had take care of paper - Ken told me he did
inspection

3/20/96

Go [redacted] to Gary

I saw paper at shop (Gary) - take copy
to site - I saw it dated 3/12/96
Fay's writing - done as per [redacted]
never signed it
I always have 90 days a. did

[redacted] - felt wrong

Eventually did look

always survey source

Feb '96

after directive - new ^{memo} policy
just gave no training

Wm Arlin - G. M.

Keith Tucker quit - ran tight ship - on time
was in charge/ended in paper seq

about Feb '96
stake - Fay + Sweet came in
(Wm Arlin [redacted]) Sweet took place

Larry Arlin - Sup - job assignment
Wm - would talk to cut corners

Keep Δ office location same -
went [redacted] to quit

Bills + connectors - need to be checked daily
no one does

Rad.

Complained to Steve Fay

10 yrs Level 3

Randy Sweet

Calibrated survey meter

We [redacted] et al) to Heston
about [redacted] Spring - told Fay + Sweet
I know [redacted] told Fay - at least a
couple times about [redacted] - still
nothing done

[redacted] told Sweet by phone - about
[redacted] - Randy said "hearsay"

Fay now in Hester - Sup

Heston - real responsible

[redacted]

([redacted])

Routinely not secure

rotate selector ring to lock position

depress lock plunger after each exposure

when auto lock mechanism is engaged

and camera is retracted to fully shielded position

Now

GenMan Rudy Sweet

Bob Slack RSO

Sup (was Steve Fay)

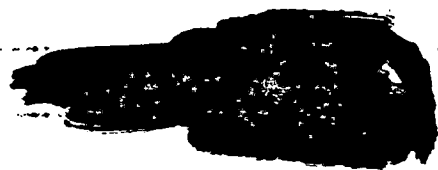
Itasca

10-15 Rad

Now Larry Hastin

CompOff

10-15 Rad



Ultra Sonic + Mag Part

no radio

no film badge

Don trained in calibration

have vague idea



signed calibration stickers

on side of meters

I saw 3/4 stickers w/ his sign
on it

No one used them - we are told
them

Cal every 90 days

~ 3 yrs Asst -

[REDACTED]

very med.

7-8 Rad
15 Total

Guy - job site

90 day - site sup does main
of Calibrate - to shop

Gen. Man. Randy Sweet Feb '96 Bill Herdin
Fred

Op Manager Steve Fay - Cal & meters

Larry Herdin - Lab Man - Scheduling - may calibrate

[REDACTED]

Rad Level II
Technician
some calibrate

[REDACTED]

Tech - nothing w/ rad
no training

Have stickers on survey meter - no signed
stickers - & paper work

Rad
"
x

[REDACTED]

Setup using goggles
Model at side - did not

[redacted] - [redacted] cal - no I did cal & he
signed - he did paper work

15min to calibrate

[redacted]
Some do & some did use safety lock

April RS meeting
he said 5 days off
plus addition

Coston - Jan '96 Keith Tucker [redacted]

[redacted] Coston
[redacted] had control
Keith Tucker - " " - people respected

RT Radiographic testing

(1)

Th. 9-5
10⁴⁵A

Coman

Aug 95 in Com Office

corp an adjuster design

mathematic testing

Cad & level II Soreware (ultra ~~sonic~~ ^{sonic})
Liquid penetrant technician

Inspector - Technician

94 Radiation Safety Train

40th Safety

Petroleum Indus Inspectors

3 months - contracted

no radiation technician

they main job is rad - everyone
gets safety

No training w
"RT" at Coman

No training

Steve Fay - training sessions on cal
meter

He needed someone who could do it
he trusted me

✓ Show me how to do it -

✓ tape on floor 100' 200' 300'
from source

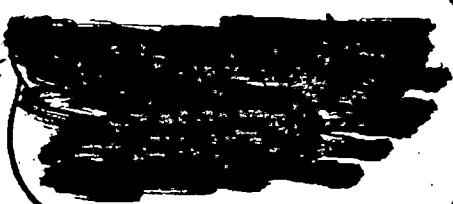
(2)

✓ Showed how to remove & adjust ^{meter} calibration screws inside
1 MR 10 MR 100 MR
Scale

✓ He did it on 1st ~~meter~~ meter
He wanted me to do 2nd one
He was there for all for meter

✓ Took approx ¹⁵⁻²⁰ ~~10-15~~ min
couple of hrs - 3 hrs

✓ No books - can't remember any calibration
sheet -
✓ he signed in-out source - can't
remember all that he did or sheet

✓ Ex A is the 
Ex B "
Ex C "
Ex D

✓ Ex E appears to be A

✓ I believe calibration is good for 90 day
SS# A + E are same
didn't know why he resigned

(3)

I didn't know of any problems until
just recently

X I didn't sign anything to show I was trained

+ Fay was present the entire time I
did calibration for several hours

Never calibrated since

I went to tank inspection only job
since "H.T." inspection
Hazard

I probably remember how to do it

X I wouldn't sign out source for cal.
I would have supervisor do it

X I'm not a radiation worker
I'm a helper - not
I'm outside ropes during survey

X No general Safety orientation by Covert
Knew how to work w/ survey meter

X 1st opportunity for radiation was w/ Fay
didn't remember reading written procedure - really on the job I
taught - it was verbal instruction

X I didn't sit down and read any manual
before doing this calibration

(4)

✓ Fay wanted me because of trust -
I didn't know who did it before
me

if I needed one / No discussion about film badge - I asked
but I guess ^{one was} not needed - no badge
given to me

No one around - just him & me

71-5 9-5
955
A

[REDACTED]
Title - Technician

When started [REDACTED]

position not Level II
training Radiograph Gen Level I can shot welds
Level II allows to interpret film
not taken test for Level II

trained on this camera - Operation Manual training @Conam
Radiation Safety 6 hr review - w/ test Keith Tucker
PSO
Geny Operator
Offn

trained on Conam procedure

Feb 27

Did you retract to auto lock

Did you ~~survey device~~ rotate selector ring

Did you depress key lock

Did you survey device 360°

Where was film ledge

Conam

1st started Trained & test
~~Level II~~

Gen & Specific Ast Rad

5-95 - Radio - Keith Test me

Always had Level II - even as Radiograph
[REDACTED] did zone when no film interp
needed

Familiar w/ proced/
read proced - yes I was familiar
when I was an assistant

(2)

Did use 66p at S65 - was similar
+ had used

Feb 27

Indian, Indu
21. Lilly
shot 2" butt welds
Level II weld (Arnie "Moral")
contractor for short time
employed

by myself - working night shift
had shot between 12-15 shifts

He was in delivery truck

On 6' ladder
survey - did follow all
procedures

Room was about 12' wide

Slide bar kicks over - could hear something
high noise to distract

Could say if I did it every time
of each 12 shots -

Not Deliberately - need to get a lot
of welds - very congested in area
under pressure -

(3)

St. Lilly not happy w/ production
w/ 8 hr shift - told Cohen to 9 hrs

20 welds had to be longer shift 10 or 12 hr.

started 3 pm until 3 am

Incident 6³⁰ p - shooting 2" weld 2x3
shots per weld
exposure

Perfect time to follow total procedure
from 5 to 10 minutes

1st exposure Camera a top of 6' ladder
film higher
just let slide on click / sunny

A film - 2nd shot

retracted 1st exposure walking
up to camera

behind camera - meter out -
to the sides - not front because
location camera / lens

then had spots a camera - in shield
position - put meter on post and
put film

(4)

A film - reach over to unlock - reached
unlocked - ~~the~~ slide bar not
clicked over - ^{slide bar} ^{totally engaged}
slide + unlocked -
move slide bar to unlock

went outside - checked
drinking off scale
retracted to click
rate alarm went off
survey camera to fully
- secured camera

left film in its
place

Pulled keys - went to room
→ called Keith Tucker

~~Marvel Before call~~
Keith called Slack


Slack called me there - one home met
at Guy - took badge
send in 4.7 Pens
met both - Keith on - Slack later

When I unlocked - I didn't know
any resistance

Tom Young -

When I reenter - turned dial
to lock ^{pen} source can be
out
pushed plunger

to take + thorough survey
of camera - guide tube, etc

 finished shift a shot

when describing incident to Keith -

I told Slack + Tucker -

where I was + location of badge

They knew badge was closest to

camera - badge a fairly back

Majority of time was actually facing
area while Δ film + setting
same tip

2nd rung from top - ~~fairly low~~
only time turned was when
Δ film - not time I was
facing film

Film badge was true representation of exposure

Leg was actually closer to camera than badge

I explained this to both Slack & Tucker

Film badge reads only what it
receives - not what each part of
body receives

Re:

I heard that Techs had
problem w/ ^{power} From Randy Sweet
Techs call Sweet

Also [REDACTED] contacted me -
no problem

Randy told me just go & recalibrate

May 24, 1996

MEMORANDUM FOR: Donald E. Funk, Jr.
Allegation Coordinator, Region III

FROM: Dan Murphy, Acting Field Office Director
Office of Investigations, Region III

SUBJECT: Conam Inspection Investigation
(OI CASE NO. 3-96-014)

Attached are copies of the Reports of Interviews by OI for the staff review of any potential safety/technical concerns. This information provided by OI will be incorporated into the currently open investigation. Since the OI investigation is pending, please ensure that appropriate measures are taken to safeguard the dissemination of the Report of Interviews and related information.

Attachment:
Reports of Interviews

To receive a copy of this document, indicate in the box "C" = Copy without attach/encl "E" = Copy with attach/encl "N" = No copy

OFFICE	OI:RIII	C	OI:RIII	n				
NAME	RAnderson		DMurphy					
DATE	05/24/96		05/24/96					

OFFICIAL RECORD COPY

May 28, 1996

MEMORANDUM TO: Monte Phillips, Chief, Materials Inspection 2, DNMS
FROM: Donald E. Funk Jr., Office Allegation Coordinator
SUBJECT: CONAM INSPECTION: OI INVESTIGATION REPORT OF INTERVIEWS
(OI CASE NO. 3-96-014) (AMS NO. RIII-96-A-0046)

By memorandum dated May 24, 1996, OI:RIII provided RIII with a copy of their report of interviews with the two Concerned Individuals in the subject case. please review the attached interviews to determined if there are any unknown safety/technical issues. Please document the result of your review by memorandum to me for inclusion into the AMS file.

Attachment: As stated

cc w/o attachment: OI:RIII

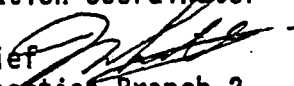


UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

June 4, 1996

MEMORANDUM TO: Donald E. Funk, Allegation Coordinator

FROM: Monte P. Phillips, Chief 
Nuclear Materials Inspection Branch 2

SUBJECT: CONAM INSPECTION (AMS NO. RIII-96-1-0046)
RE: OI INVESTIGATION REPORT OF INTERVIEWS
(OI CASE NO. 3-96-014)

As requested by your May 28, 1996 memorandum, we have completed the review of the subject documents. Please be advised of the following clarification and associated safety/technical issue.

The term "gauge" should be clarified. As used throughout the OI report, the term "gauge" seems to refer to radiographic equipment and to survey meters that are actually different types of devices that are used by the licensee. In general, the radiographic equipment is comprised of the crank and drive cable assembly, the exposure device, and the guide tube. The licensee is required to complete routine inspection and maintenance of radiographic equipment at 90 day intervals. On the other hand, survey meters are used to detect radiation levels. The licensee must "calibrate" them with a known radionuclide standard at 90 day intervals. It is recommended that the OI report distinguish between these different types of devices, especially since there are distinctly different allegations involving each (i.e., unqualified individual calibrating survey instruments, improperly performed maintenance inspection on exposure device).

An additional safety/technical issue was identified. The licensee is required to inspect the radiographic equipment prior to each day of use. In addition, the licensee is required to complete routine inspection and maintenance of radiography equipment at 90 day intervals. In the latter case, the licensee management or designee is required to disassemble, clean and lubricate, and reassemble various parts of the radiographic equipment. During this routine maintenance activity, the radiographer would have examined each of the parts of the entire radiographic system in greater detail than the daily inspection referred to above. The OI report seems to describe a daily inspection rather than a 90-day inspection and maintenance. The licensee's management had asked the radiographer to complete the 90 day inspection and maintenance of the Amersham 660 B equipment that was actually being used by the radiographer on March 12, 1996. Tom Young of my staff will provide additional information to OI regarding the requirement and procedure for inspection and maintenance of radiographic equipment. These details should be used in subsequent OI interviews of the licensee's personnel who actually performed the maintenance.

CONTACT: Thomas Young
708/829-9835

D. Funk

-2-

Distribution

cc: C. Pederson, DNMS
B. Burgess, EICS