

From: Bickett, Brice
Sent: Monday, September 29, 2014 12:51 PM
To: Ferdas, Marc; Collins, Daniel; Urban, Richard; Screnci, Diane; (b)(7)(C)
Cc: R1ALLEGATION RESOURCE
Subject: FW: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

(b)(6)

Brice

From: Urban, Richard
Sent: Monday, September 29, 2014 12:37:06 PM
To: (b)(7)(C) Collins, Daniel; Ferdas, Marc
Cc: Screnci, Diane; R1ALLEGATION RESOURCE
Subject: RE: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT
Auto forwarded by a Rule

I agree with (b)(7)(C) that it must remain internal. However, please keep in mind that this is not a "real allegation" because it is licensee-supplied wrongdoing. The reason we put these into our allegation process is to track them.

From: (b)(7)(C)
Sent: Monday, September 29, 2014 10:16 AM
To: Collins, Daniel; Ferdas, Marc; Urban, Richard
Cc: Screnci, Diane
Subject: RE: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Dan – the OI investigation is in progress (b)(5)
as long as the Note is only for NRC internal dissemination. (b)(7)(C)

(b)(7)(C)

Special Agent in Charge
Office of Investigations
Field Office, Region I
2100 Renaissance Blvd.
Suite 100
King of Prussia, PA 19406-2713
Office: (b)(7)(C)
BlackBerry: (b)(7)(C)
Fax: (610) 337-5131

From: Collins, Daniel
Sent: Monday, September 29, 2014 10:12 AM
To: Ferdas, Marc; Urban, Richard; (b)(7)(C)
Cc: Screnci, Diane
Subject: RE: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Hi Marc –

I tend to agree with you here. Would like to hear from Diane, Rick, and (b)(7)(C) also. Isn't the OI investigation is still in progress ?

I can call Drew if needed.

Thanks,
Dan

From: Ferdas, Marc
Sent: Monday, September 29, 2014 10:01 AM
To: Collins, Daniel; Urban, Richard; (b)(7)(C)
Cc: Screnci, Diane
Subject: FW: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Dan/Rick, (b)(7)(C) .
FSME/DWMEP Deputy Director has recommended we issue a daily on the recent press inquiries about Hunters Point. Not sure we should be doing this. What are your thoughts? A proposed write-up is provided below.

Marc S Ferdas

Chief, Decommissioning & Technical Support Branch (NRC/Region I/DNMSI)
610-337-5022 (work)
(b)(7)(C) (cell)
marc.ferdas@nrc.gov

From: Chang, Richard
Sent: Monday, September 29, 2014 9:54 AM
To: Masnyk Bailey, Orysia; Ferdas, Marc
Cc: Chang, Lydia; Norato, Michael; Sollenberger, Dennis; Poy, Stephen
Subject: RE: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Marc and Orysia,

I chatted with Drew this morning, and he recommended that RI write up an EDO Daily note regarding this topic. I know that your guys are busy, so I took a first stab at drafting one for you (it is a bit long though and will need to be shortened). Please feel free to edit it and see if it is factually correct.

Thanks,

(b)(5)

(b)(5)

From: Masnyk Bailey, Orysia
Sent: Monday, September 29, 2014 9:19 AM
To: Ferdas, Marc
Cc: Scrcenci, Diane; Chang, Richard
Subject: RE: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Tetra Tech's RSO advised me of the potential soil problems in November 2012. The Navy had questions at that time. Tetra Tech briefed the NRC on April 23, 2013, followed up by a copy of the report. We haven't done anything yet. OI is continuing its investigation. I spoke to the OI agent this past Friday and he is still working the case. We won't inspect until the OI case is done. We inspected Tetra Tech in February and March 2011, January 2012, and in April and July 2014. One non-cited violation was issued in March 2011 for failure to secure a low activity radium source. Tetra Tech has not had any enforcement, the Tetra Tech that shows up with escalated enforcement is a portable gauge company not the service provider.

From: Ferdas, Marc
Sent: Friday, September 26, 2014 6:10 PM
Cc: Masnyk Bailey, Orysia
Subject: Fw: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Orysia
Can you please work w/ the appropriate folks to get Diane a response. There is a short time frame on this.

Sent via NRC BlackBerry

From: Scrcenci, Diane
Sent: Friday, September 26, 2014 01:56 PM
To: Ferdas, Marc
Subject: FW: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Marc,
Do you think we can come up with answers to her first two questions on Monday? The other two I can look up.
Thanks-

Diane Scrcenci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [mailto:Elizabeth.Wagner@nbcuni.com]
Sent: Friday, September 26, 2014 1:54 PM
To: Screnci, Diane
Cc: Wagner, Elizabeth (NBCUniversal); Nguyen, Vicky (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions - TETRA TECH REPORT

Hi Diane,

We understand that Tetra Tech, the Navy contractor on the Hunters Point project, has notified the NRC that the company mishandled soil samples and falsified survey data. According to an April 2014 report produced by Tetra Tech titled "INVESTIGATION CONCLUSION ANOMALOUS SOIL SAMPLES AT HUNTERS POINT NAVAL SHIPYARD," the Navy discovered that Tetra Tech had submitted soil samples from locations different than the ones specified in the Final Status Survey Report for Building 517-Survey Unit 2. The company confirmed this to be true, and subsequently discovered an additional 12 survey units on three sites also had anomalous soil samples. According to the report, some survey units (it does not specify how many) did exhibit radionuclide concentrations above release criteria. The report states that those areas were remediated and resampled until release criterion were met. As we understand it, this means Tetra Tech submitted falsified soil samples *and* found radionuclides of concern at levels above release criteria in areas that the company had already remediated.

We are requesting the following information:

When was the NRC notified about this?

What action has the NRC taken against Tetra Tech in this instance?

Has the NRC ever cited Tetra Tech? If so, when and why?

Has the NRC ever taken enforcement action against Tetra Tech? If so, when and why?

We are on deadline and would appreciate a response by Tuesday, September 30. I can be reached at (b)(6)

Best,

Liz Wagner

Liz Wagner
Investigative Producer, NBC Bay Area News
O 408.432.4735 | (b)(6) | 408.432.4425
2480 N. First Street, San Jose, CA 95131
elizabeth.wagner@nbcuni.com
www.nbcbayarea.com/investigations

From: Screnci, Diane [mailto:Diane.Screnci@nrc.gov]
Sent: Thursday, May 15, 2014 6:52 AM
To: Wagner, Elizabeth (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Liz,

I have attached the inspection reports for TetraTech at Hunter's Point. You'll notice there are several different types of documents. When inspecting this type of license-holder, NRC inspectors have a few options for documenting their work. For example, in 2012, the inspector found no violations of NRC requirements. In that case, the inspector used only an NRC form (Form 591) to document the inspection and its results. In 2011, the inspector documented a "non-cited violation" using an inspection report and a Form 591. In April, the inspector used the inspection report (which I've previously sent you) and inspection record to document the inspection.

If you need any further assistance, please let me know.

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [<mailto:Elizabeth.Wagner@nbcuni.com>]
Sent: Tuesday, May 13, 2014 12:30 PM
To: Screnci, Diane
Subject: RE: NBC Bay Area News - Hunters Point Questions

Diane,

Is the report you attached a summary of a larger report? The attached letter states that "results of the inspection were discussed with [Tetra Tech] at the conclusion of the inspection" and I need to clarify if said results are housed in another report.

Also, can you please attach the inspection reports of any previous inspections at Hunters Point?

Liz Wagner
Investigative Producer, NBC Bay Area News
p 408.432.4735 | e (b)(6) | f 408.432.4425
2450 N. First Street San Jose, CA 95131
elizabeth.wagner@nbcuni.com
www.nbcbayarea.com/investigations

From: Screnci, Diane [<mailto:Diane.Screnci@nrc.gov>]
Sent: Tuesday, May 13, 2014 5:00 AM
To: Wagner, Elizabeth (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Liz,

No, we can't discuss a specific person or specific concerns brought to us through the allegation process. Nor can we publicly discuss how we followed up on those safety concerns.

I sent you the inspection report on the April inspection yesterday. I've attached it again.

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [<mailto:Elizabeth.Wagner@nbcuni.com>]
Sent: Monday, May 12, 2014 5:22 PM
To: Screnci, Diane
Cc: Nguyen, Vicky (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Diane,

A few follow up questions:

- If we obtain a release from the individuals who brought these concerns to the NRC, can the NRC discuss their allegations and the results of any subsequent investigations? It is our understanding that the individuals have granted permission to the NRC to discuss the results with us.
- Is the inspection that the NRC performed on April 7 and 8 a result of the letter sent to the NRC by Consumer Watchdog?
- We would like to request the details of the inspection that took place on April 7 and 8. Is there a written report associated with the inspection? Or just verbal communication?

Please call me at (b)(6) at your earliest convenience.

Thank you,

Liz Wagner

Liz Wagner
Investigative Producer, NBC Bay Area News
o 408.432.4735 / c (b)(6) f 408.432.4425
2450 N. First Street, San Jose, CA 95131
elizabeth.wagner@nbcuni.com
www.nbcbayarea.com/investigations

From: Screnci, Diane [<mailto:Diane.Screnci@nrc.gov>]
Sent: Monday, May 12, 2014 1:46 PM
To: Wagner, Elizabeth (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Elizabeth,

I am responding to the emails you sent to me, as well as the message you left for Richard Chang in the NRC's headquarters office.

I am declining your request for an on-camera interview.

I can neither confirm nor deny whether a specific individual has come to the NRC with safety concerns. It's important that workers and other members of the public bring safety concerns directly to the NRC at any time. Since some individuals will come forward only if their identities will be protected from public disclosure, safeguarding the identity of allegeders is an important part of our process to ensure the voluntary flow of such information.

Now, having said that, the NRC is aware of issues regarding radiological safety concerns at Hunter's Point similar to those you asked about. As is our process, we have followed up on those concerns as appropriate.

As I've explained, we have a very thorough process for evaluating concerns that are brought to the agency. We determine the safety significance of allegations and the appropriate course of action to follow-up on the concerns. Once the NRC completes its evaluation, the person who raised the concern is notified of the agency's conclusions. Our correspondence with an allegeder is not publicly available.

The Navy is the lead agency for Hunter's Point and the remediation is being conducted by the Defense Base Closure and Realignment Commission. The Environmental Protection Agency has regulatory oversight for the Navy's remediation. NRC does not regulate release criteria or

approve decommissioning procedures at this facility. For Navy contractors with NRC licenses, the NRC conducts routine regulatory oversight to ensure that the contractors perform their activities in accordance with their NRC license. The past several inspections specifically addressed the handling of potentially contaminated soil, and the radiological monitoring of workers. These site inspections included: review of procedures, review of records and reports, observation of work activities, and interviews with site personnel. For the 2014 inspection, NRC was also accompanied by a State of California inspector. I have attached the most recent inspection results for your use.

Please contact me if you have any further questions.

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [mailto:Elizabeth.Wagner@nbcuni.com]
Sent: Wednesday, May 07, 2014 7:47 PM
To: Screnci, Diane
Cc: Nguyen, Vicky (NBCUniversal); Wagner, Elizabeth (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Diane,

Thank you for your email. I wanted to update you with additional information we have received during the course of our reporting. We would also like the NRC to address claims that potentially radiological impacted material left Hunters Point without being properly scanned or screened. Former Tetra Tech radiological tech/Susan Andrews has claimed that the sensitivity of the portal monitor was weakened in September 2011, and that potentially radioactive soil left Hunters Point when it shouldn't have. She also claims that potentially radiological impacted soil was used as backfill. Additionally, she claims that unqualified personnel are working in safety-sensitive roles at Hunters Point.

We understand that the NRC did investigate these claims. We are requesting a copy of the report that investigation produced. Our request for an on-camera interview still stands. We would like to discuss the claims by Susan Andrews, the outcome of an NRC investigation and the items mentioned below. We are under deadline and would like to schedule an interview within the next week.

Please contact me at (b)(6) to discuss.

Thank you,

Liz Wagner

Liz Wagner
Investigative Producer, NBC Bay Area News
o 408.432.4735 c (b)(6) / 408.432.4425
2450 N. First Street San Jose, CA 95131
elizabeth.wagner@nbcuni.com
www.nbcavarea.com/investigations

From: Screnci, Diane [mailto:Diane.Screnci@nrc.gov]
Sent: Wednesday, May 07, 2014 7:34 AM
To: Wagner, Elizabeth (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Hi Elizabeth,

I'll get back to you on this as soon as I can.

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [mailto:Elizabeth.Wagner@nbcuni.com]
Sent: Tuesday, May 06, 2014 6:38 PM
To: Screnci, Diane
Cc: Nguyen, Vicky (NBCUniversal); Wagner, Elizabeth (NBCUniversal)
Subject: NBC Bay Area News - Hunters Point Questions

Hi Diane,

Whistleblowers who used to work at Hunters Point—including former Tetra Tech radiation safety consultant Elbert Bowers—have told us that they have concerns regarding site remediation. Among his concerns:

- That safety protocol and radiological safety controls are being ignored at Hunters Point
- That unqualified personnel are working in safety-sensitive roles at the site
- That the culture at Hunters Point changed from one in which radioactive cleanup was a top priority to one in which getting work done quickly and cheaply is paramount

Mr. Bowers said that he raised his concerns to the NRC, but that his concerns were ignored.

We plan to report these developments and would like to include the NRC's side of the story. We are requesting an on-camera interview with an NRC official to discuss the claims brought forth by former contractors at Hunters Point. Specifically, we would like to address how the NRC has handled these claims and whether the NRC has launched an investigation into the cleanup efforts at Hunters Point. We would like to schedule the interview as soon as possible. Please contact me at (b)(6) to discuss this opportunity.

Thank you,

Liz Wagner

Liz Wagner
Investigative Producer, NBC Bay Area News
o 408.432.4735 / (b)(6) f 408.437.4475
2450 N. First Street San Jose, CA 95131
elizabeth.wagner@nbcuni.com
www.nbcbayarea.com/investigations

From: Screnci, Diane [mailto:Diane.Screnci@nrc.gov]
Sent: Thursday, March 20, 2014 10:18 AM
To: Wagner, Elizabeth (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Liz,
I'll see what I can do. Typically, we don't discuss how we follow-up on safety concerns.

Diane Screnci

Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [<mailto:Elizabeth.Wagner@nbcuni.com>]
Sent: Thursday, March 20, 2014 1:05 PM
To: Screnci, Diane
Cc: Nguyen, Vicky (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Diane,

Would you please let me know what the NRC's course of action is when it's determined?

Thanks,

--
Liz Wagner
Investigative Producer, NBC Bay Area News
o 408.432.4735 | e (b)(6) | f 408.432.4425
2450 N. First Street San Jose, CA 95131
elizabeth.wagner@nbcuni.com
www.nbcbayarea.com/investigations

From: Screnci, Diane [<mailto:Diane.Screnci@nrc.gov>]
Sent: Thursday, March 20, 2014 9:53 AM
To: Wagner, Elizabeth (NBCUniversal)
Cc: Nguyen, Vicky (NBCUniversal)
Subject: RE: NBC Bay Area News - Hunters Point Questions

Liz,

NRC's role at the Hunters Point site is to provide regulatory oversight of contractors with NRC licenses.

When we receive safety concerns, we evaluate them and determine the appropriate course of action. That's the process we're following with the letter you asked about. I cannot provide any further details.

I also cannot confirm or deny whether others have come to us with safety concerns.

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [<mailto:Elizabeth.Wagner@nbcuni.com>]
Sent: Wednesday, March 19, 2014 5:02 PM
To: Screnci, Diane
Cc: Nguyen, Vicky (NBCUniversal); Wagner, Elizabeth (NBCUniversal)
Subject: NBC Bay Area News - Hunters Point Questions

Diane,

Thank you for the call back today. We understand that the NRC is taking over the California Department of Public Health (CDPH) Radiological Health Branch's investigation into whistleblower allegations regarding Parcel C on Hunters Point Shipyard in San Francisco. The state has informed me that Parcel C is under exclusive federal jurisdiction.

Attached, please find a copy of the allegation letter sent to CDPH and the NRC.

Here are our questions:

- o Why is Parcel C under exclusive federal jurisdiction?
- o What does the investigation entail?
- o How long will it last?
- o What are the findings thus far?
- o What will happen at the conclusion of the investigation? (Will the NRC issue a report, etc.?)
- o Has the NRC been contacted by whistleblowers about Hunters Point in the past? (Please provide specifics.)
- o Has the NRC investigated allegations regarding Hunters Point in the past? (Please provide specifics.)

I am copying my colleague Vicky Nguyen on this email, as well. Please contact us with any questions.

Best,

Liz Wagner

..
Liz Wagner
Investigative Producer, NBC Bay Area News
P 408.432.4735 | C (b)(6) | F 408.432.4425
2450 H. First Street San Jose, CA 95131
elizabeth.wagner@nbcuni.com
www.nbcbayarea.com/investigations

From: Smith, James
Sent: Tuesday, April 24, 2018 11:47 AM
To: Bickett, Brice; Klukan, Brett; Chang, Richard; (b)(7)(C) Koénick, Stephen
Subject: FW: Fwd: SF Chronicle: Toxic dirt from S.F. may be far and wide

FYI-

More HPNS in the news

From: LEE, LILY [mailto:LEE.LILY@EPA.GOV]
Sent: Monday, April 23, 2018 2:42 AM
To: Smith, James ; Masnyk Bailey, Orysia
Subject: [External_Sender] Fwd: SF Chronicle: Toxic dirt from S.F. may be far and wide

Sent from my iPhone

Begin forwarded message:

From: "LEE, LILY" <LEE.LILY@EPA.GOV>
Date: April 22, 2018 at 11:29:55 PM PDT
To: "Chesnutt, John" <Chesnutt.John@epa.gov>, "Huitric, Michele" <Huitric.Michele@epa.gov>, "Yogi, David" <Yogi.David@epa.gov>, "Lane, Jackie" <Lane.Jackie@epa.gov>, "Harris-Bishop, Rusty" <Harris-Bishop.Rusty@epa.gov>, "Fairbanks, Brianna" <Fairbanks.Brianna@epa.gov>
Subject: Fwd: SF Chronicle: Toxic dirt from S.F. may be far and wide

From the front page of today's SF Chronicle:

Toxic dirt from S.F. may be far and wide

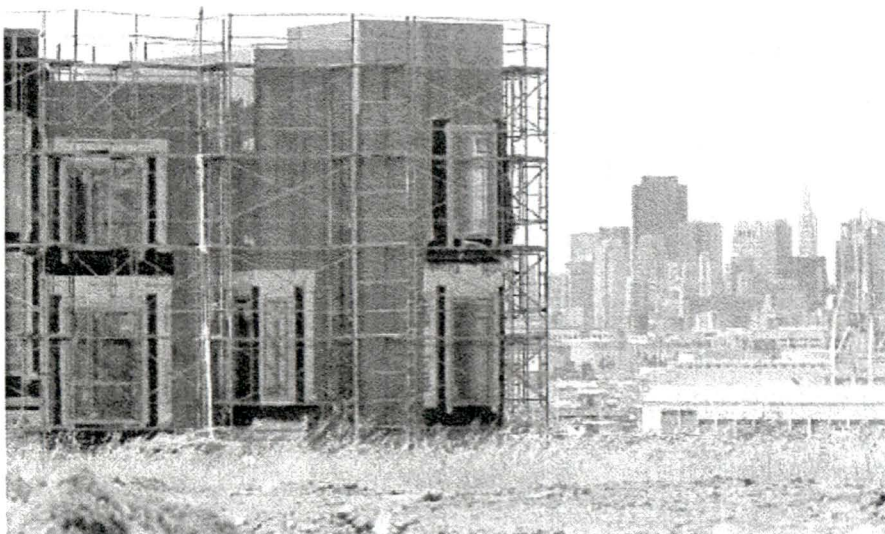
Ex-Hunters Point workers say soil went to landfills

By J.K. Dineen



Leah Millis / The Chronicle 2016

The San Francisco Shipyard development is under way at the former Hunters Point Naval Shipyard in 2016.



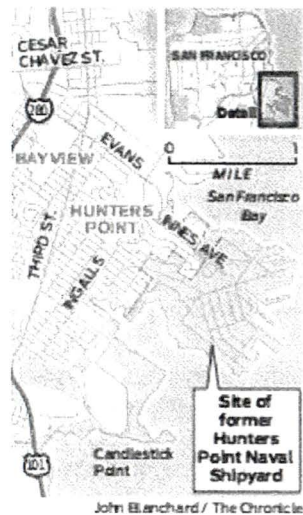
Brant Ward / The Chronicle 2015

By 2015, condominium construction was well in progress at the former Superfund site, with some units completed and owners moving in at the San Francisco Shipyard project.



Chronicle file 1966

The Hunters Point Naval Shipyard was home to the Naval Radiological Defense Laboratory from 1946 to 1969.



The scandal involving cheating in the \$1 billion cleanup at the former Hunters Point Naval Shipyard has until now focused on allegations of what was left behind at the site: radioactive dirt dumped into trenches to save the time and expense of testing and disposing of it properly.

But former shipyard employees and environmentalists say that toxic waste removed from the site is of just as great a concern. Soil with potentially dangerous levels of radioactive waste, they contend, was trucked to conventional landfills across California — the sort of dumps that typically fill up with tree branches, construction debris and old dishwashers, not radiological waste from a former nuclear test lab that handled uranium and plutonium.

The shipyard, home to the Naval Radiological Defense Laboratory from 1946 to 1969, is now the site of the San Francisco Shipyard development project, regarded as perhaps the most important development site in the city. It is to contain more than 10,500 housing units, 300 acres of open space, millions of square feet of retail, schools, a hotel and artists studios.

Before developer FivePoint starting building condominiums in 2013, former shipyard employees say that Tetra Tech, the company that was paid between \$350 million and \$450

million to lead the cleanup of the site, relaxed the standards for what was allowed to leave the property starting in 2011. The portal monitors — radiation detection scanners used to prevent trucks containing dangerous materials from exiting — were reset to be less sensitive. An area with scaffolding that allowed inspectors to get on top of the trucks to inspect shipments was taken down.

And whereas previously trucks that set off an alert from the portal monitor more than twice would be made to dump their soil loads back on a tarp to be retested and cleaned of dangerous materials, the new policy just required an employee to walk around the truck with a handheld monitor. Those monitors rarely detected anything because the truck bed made it tough to get readings, according to workers.

Former shipyard employee Susan Andrews, who operated portal monitors in 2010 and 2011, said Tetra Tech management went to extreme lengths to ensure trucks were allowed to exit, no matter how many times they set off the radiation detector.

"Before 2011 that dirt was never to leave until the radiation detected was found, contained and put in a secure lockup box," she said. "In 2011, they changed the way they did business."

Andrews said she saw trucks leaving the yard at night after the portal where they exited was supposed to be closed for the day — something she witnessed in January and February of 2012 from her condominium on Cleo Rand Lane, right above the shipyard entrance. She was one of nine former Tetra Tech employees to raise concerns with the Nuclear Regulatory Commission. She said she was laid off a short time later.

"I would be out with my dog about an hour after everyone had gone home, and I'd see these trucks full of dirt — 10 or 15 of them — going right by my condo," she said. "It was crazy. Where on the site the dirt was coming from or where it was going I don't know. But nothing should have been leaving after the portal monitor was shut down" for the night.

A recent review by the U.S. Environmental Protection Agency and state agencies found that as much as 97 percent of Tetra Tech's cleanup data for two parcels at the shipyard was found to be suspect and should be retested, according to John Chesnutt, manager of the EPA's local Superfund Division. A spokesman for Tetra Tech did not return a call seeking comment.

While the Navy has acknowledged the problems with the Tetra Tech work, it continues to insist that the materials were removed from the site properly and safely.

Derek Robinson, who is leading the cleanup for the Navy, said soil is stockpiled on-site and sampled to "to select the appropriate landfill for disposal." Soil that meets both radiological and chemical cleanup requirements is put back into trenches on the site, places where structures may later be built.

Soil that doesn't meet those standards is separated and either sent to a landfill that accepts specific types of contamination in the soil or to a low-level radioactive waste site.

Some batches of dirt hauled off Hunters Point were tested and deemed too "hot" for conventional dumps, meaning they contained unacceptably high levels of radionuclides like cesium 137 and strontium 90 — both can cause cancer. That dirt, at least 4,300 cubic yards, was transported in watertight steel bins to Clive, Utah, one of four disposal sites in the United States licensed to accept low-level radioactive waste.

The rest of the waste, the vast majority, about 7,800 truckloads carrying 156,000 cubic yards, was marked "nonhazardous" and went to conventional dumps.

It was hauled to Kirby Canyon in Morgan Hill, near San Jose. It was transported to Keller Canyon in Pittsburg. It went to a dump in Buttonwillow, near Bakersfield, and to facilities in Vacaville and Brisbane owned by Recology, which collects San Francisco's household trash. Most landfills also have portal monitors, although environmental experts say they are used sporadically and do not test for radiation. If soil contaminated with radioactive material left the shipyard site without being properly vetted, it is possible it landed in one of these landfills.

The timing of the changes Andrews observed at the portal is consistent with testimony from other whistle-blowers, who say the entire culture of the cleanup changed in early 2011 when Tetra Tech's contract was restructured from "time and material" to a "firm fixed-price model." Suddenly, the contractor had a financial incentive to complete the cleanup as quickly as possible because it was working for a specific dollar amount.

Shortly after that contract change, worker and whistle-blower Bert Bowers, who was in charge of monitoring compliance with Nuclear Regulatory Commission standards, said he started to see violations of industry standards — equipment left where it shouldn't be and employees working without proper oversight. He complained and was later fired.

"The incentive was there to cut corners and get bonuses, and I started to see the effect," he said. "The standards started to become compromised."

Anthony Smith, who worked as laborer and technician at the shipyard during that time, said he and his colleagues spent months taking soil from areas known to be clean — like the foundation of an old movie theater — and passing it off as coming from sections of the site known to be highly toxic.

"It came down from the higher-ups — 'We're gonna make this clean today. Go get a sample from the normal place, go get a clean sample,'" Smith said.

Lindsey Dillon, a professor of sociology at UC Santa Cruz who is writing a book about the cleanup and redevelopment of the shipyard, said it's ironic that the champions of the redevelopment project cast it as "the heroic story of cleaning up a toxic military base" while the waste taken off the property is "creating a new geography of toxic exposure."

Conventional landfills tend to be located in communities lacking economic or political clout.

"It's a systemic issue, because these landfill sites are located in particularly vulnerable areas," said Dillon.

Don Wadsworth, a health physicist who specializes in radiation safety and radioactive waste management services, said the classified nature of Hunters Point's history makes it hard to know what is buried on the property. But the federal government allocated plenty of money to do the job correctly.

"The problem you have is that Tetra Tech was on a program of deceiving the client and the regulators about the conditions on the site and the conditions of the materials leaving the site," said Wadsworth. "In this case, the safety guard rails were not only ignored, they were ripped up and thrown away."

Daniel Hirsch, retired director of the Environmental and Nuclear Policy Program at UC Santa Cruz, said the "release criteria" governing waste materials the Navy set at the shipyard were far lower than they should have been. And it is problematic that those standards may have been violated.

Hirsch said he has spent two years trying to find out what happened to the materials removed from the shipyard.

"The Navy have resisted and resisted and resisted," he said. "My impression is that they knew this was a potential problem and didn't want it exposed."

Landfills sell material as well as accept it so it's tough to say where all material from the shipyard wound up. Hunters Point soil could have ended up in rural roads, parks or building sites, Hirsch said. It could have been used as "cover" at landfills and ended up blown into nearby neighborhoods. It could contaminate water tables and irrigation used for crops.

In addition, waste and unwanted furnishings and metals such as pipes salvaged from razed buildings on the site could be recycled. Contaminated office furniture, fencing, metals and concrete from buildings all could have ended up in places where they could do harm to an unsuspecting public.

"I predict those communities will be up in arms, and they should be," Hirsch said. "They have converted one Superfund site into perhaps many."

Several of the waste removal and recycling companies that received soil and debris from the shipyard did not return calls.

Recology, which owns facilities in Vacaville and Brisbane, said it would review all shipments from Hunters Point. Spokesman Eric Potashner said his facilities require customers to sign a guarantee that the soil doesn't contain contaminants that are not accepted, which would include anything radioactive.

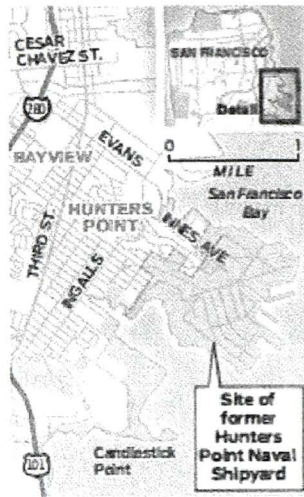
"We have a robust sampling and acceptance criteria for all waste that comes into the site," he said.

Andrews, who is from West Virginia, said Tetra Tech should be responsible for conducting tests at the landfills where the shipyard soil ended up. She said that her co-workers went along with the program because the Hunters Point jobs were the most lucrative in the country for workers in the hazardous waste remediation field. They paid \$42 an hour plus \$1,500 a week in expenses. Most of the workers were from Southern states where that kind of money goes a long way.

"I was told to shut my mouth, that I didn't live there, had hit the lottery, that I should shut up and save my money. The more they said that, the madder I got," she said. "I did care, and I decided that the people of San Francisco were worth more than my salary."

J.K. Dineen is a San Francisco Chronicle staff writer. Email: jdineen@sfchronicle.com Twitter: @sfjkdineen





John Blanchard / The Chronicle

From: Klukan, Brett
Sent: Wednesday, April 25, 2018 4:09 PM
To: R1ALLEGATION RESOURCE
Cc: Bickett, Brice; Warnek, Nicole
Subject: FW: Fwd: SF Chronicle: Toxic dirt from S.F. may be far and wide

Forwarding for possible inclusion in the allegation file.

Cheers,
Brett

From: Smith, James
Sent: Wednesday, April 25, 2018 4:04 PM
To: Bickett, Brice ; Klukan, Brett ; Chang, Richard ; (b)(7)(C)
Cc: Erickson, Randy ; Koenicke, Stephen ; Powell, Raymond ; Orlando, Dominick
Subject: FW: Fwd: SF Chronicle: Toxic dirt from S.F. may be far and wide

FYI

As a follow-up to the articles, a few minutes ago, Randy Erikson from RIV received a call from (b)(7)(C) and patched me in for a teleconference to discuss the toxic dirt articles (b)(7)(C) who formerly worked for the State of California on Naval Bases in San Francisco, offered to provide detailed information that he has gathered from the many years at the Hunter's Point and Treasure Island working for the State of California. He said that he can be contacted at (b)(6) if we wish to ask him for further details. It didn't sound like an allegation, but perhaps an offer of assistance if we needed to get eye witness specifics as to the activities of Tetra Tech at the site.

Jim

From: LEE, LILY [mailto:LEE.LILY@EPA.GOV]
Sent: Monday, April 23, 2018 2:42 AM
To: Smith, James <James.Smith@nrc.gov>; Masnyk Bailey, Orysia <Orysia.MasnykBailey@nrc.gov>
Subject: [External_Sender] Fwd: SF Chronicle: Toxic dirt from S.F. may be far and wide

Sent from my iPhone

Begin forwarded message:

From: "LEE, LILY" <LEE.LILY@EPA.GOV>
Date: April 22, 2018 at 11:29:55 PM PDT
To: "Chesnutt, John" <Chesnutt.John@epa.gov>, "Huitric, Michele" <Huitric.Michele@epa.gov>, "Yogi, David" <Yogi.David@epa.gov>, "Lane, Jackie" <Lane.Jackie@epa.gov>, "Harris-Bishop, Rusty" <Harris-Bishop.Rusty@epa.gov>, "Fairbanks, Brianna" <Fairbanks.Brianna@epa.gov>
Subject: Fwd: SF Chronicle: Toxic dirt from S.F. may be far and wide

Klukan, Brett

From: Warnek, Nicole
Sent: Thursday, August 18, 2016 2:44 PM
To: Klukan, Brett
Cc: R1ALLEGATION RESOURCE; Warnek, Nicole
Subject: Re: NRC Statement of (b)(7)(C) Concerns (RI-2016-A-0019)
Attachments: FW: NRC Statement of (b)(7)(C) Concerns

Brett – here is my first cut on a letter to the Hunters Point lawyer. Can you provide a better response for the highlighted section? I'm at a loss. The lawyer's original email is attached.

Thanks!
Nikki

Mr. Anton,

I am writing in response to your email to Ms. Orysia Masnyk Bailey and Mr. Jay Bigoness, dated July 31, 2016. Your email referred to a letter I sent you, dated July 20, 2016, that acknowledged NRC's understanding of your client's concerns following an interview on June 28-29, 2016. In your email you requested my contact information and asked that the NRC explain which areas of the Hunters Point site are within NRC's jurisdiction. You also questioned the relevance of geographic jurisdiction at Hunters Point.

The NRC and the State of California have split jurisdiction at Hunters Point. The details regarding these jurisdictional boundaries are documented in a letter from the NRC to the Navy, dated July 15, 2014. The letter is publically available through our NRC website at <http://adams.nrc.gov/wba>. To locate the document, select the "Advanced Search" tab at the top of the page; under "Document Properties," select "Accession Number" in the drop-down box under the "Property Field" and enter the Accession Number ML14071A057 in the "Value Field." This will lead you to a package of three documents, including the letter and two maps.

(b)(5)

In your email you also expressed concern that the NRC is "turning a blind eye to the issues" at Hunters Point, and you believe that the NRC is more interested in protecting itself than protecting the public. Concerns regarding NRC performance or misconduct are handled by the NRC Office of the Inspector General (OIG). Our Region I Counsel provided your email on to the OIG on Monday August 1, 2016, for their awareness. If you would like to follow up with the OIG directly, you can reach them at 1-800-233-3497.

Sincerely,

Nicole Warnek
Senior Allegation Coordinator
U.S. Nuclear Regulatory Commission, Region I
800-432-1156 x5222 (Safety Hotline)
610-337-6954 (office)

Region I Allegation Review Board Disposition Record

Allegation: RI-2016-A-0019
Site/Facility: Hunters Point

ARB Date: 08/10/2016
Allegation Receipt Date: 08/01/2016

CONCERN(S) DISCUSSED:

Email received from the CI's attorney on 8/1 in response to ack/clo letter sent 7/20, containing concerns and questions raised by the CI's attorney.

1. The NRC was not doing its job and was turning "a blind eye" to radiation safety issues raised at Hunters Point. Specifically, Susan Andrews previously raised the concern about chain of custody records and NRC did nothing with this information. This is one example of concerns that were raised in 2011, 2012, and 2013 to the NRC inspector and "went nowhere".

Security Category: N/A

2. NRC is more interested in protecting itself due to current information showing a failure of oversight than protecting the public. CI feels that the repeated referencing of jurisdiction at Hunters Point is a part of this effort to protect the NRC and those who work for the NRC that were to provide oversight of Hunters Point and Tetra Tech.

Security Category: N/A

3. CI wants NRC to explain NRC's geographic jurisdiction at Hunters Point, and explain why the Acknowledgment Letter ("Concern document") to the CI is so focused on geographic jurisdiction and seems to ignore the issue of license oversight jurisdiction.

Security Category: N/A

SAFETY SIGNIFICANCE:

ALLEGATION REVIEW BOARD ATTENDEES:

Chair: Trapp/Nick **BC:** Nicholson **SAC:** Warnek
Others: Bickett, Bolger

OI: (b)(7)(C)

RC: Klukan

DISPOSITION ACTIONS

1. Provide response by email. For issues 1 and 2: NRC performance/wrongdoing matters should be directed to the OIG. Provide OIG contact info and note that Region I has already forwarded these issues to OIG. For issue 3: Provide response to jurisdiction question

Responsible Person: Warnek

ECD: 8/26/16

Closure Documentation: RAC response email

Completed:

2. Provide information to SAC regarding NRC jurisdiction at Hunters Point, referencing publically available documents as available.

Responsible Person: Powell

ECD: 8/19/16

Closure Documentation: email to file

Completed:

DISPOSITION CONSIDERATIONS:

- Does alleger object to providing concerns to the licensee via an RFI? Yes No N/A
- Has the ARB reviewed and approved the RFI Checklist? Yes No N/A

NOTES:

Upon conclusion of the Allegation Review Board (ARB), this Disposition Record becomes the official ARB

minutes, and is considered reviewed and approved by the ARB Chair.

From: Klukan, Brett
Sent: Monday, August 01, 2016 9:34 AM
To: Warnek, Nicole
Cc: Bickett, Brice; R1ALLEGATION.RESOURCE
Subject: Re: NRC Statement of (b)(7)(C) Concerns

Nikki,

Just so that you're aware, I forwarded your email to OIG for consideration.

Cheers,
Brett

On: 01 August 2016 08:54, "Warnek, Nicole" wrote:
I received an email from the lawyer for the Hunter's Point allegor, in response to the acknowledgement/closure letter I sent. I will work with Brice to figure out a response, but wanted you all to be aware of the email since I may need to reach out to you.
For reference, the acknowledgement/closure letter I sent to Mr. Anton is attached.

Brett – this may require an OIG referral.
Nikki

From: Masnyk Bailey, Orysia X
Sent: Monday, August 01, 2016 7:51 AM
To: Warnek, Nicole
Cc: Bigoness, Jay
Subject: FW: NRC Statement of (b)(7)(C) Concerns
Can you reach out to Mr. Anton or should I give him another point of contact?

From: David Anton [mailto:davidantonlaw@gmail.com]
Sent: Sunday, July 31, 2016 3:17 PM
To: Bigoness, Jay <Jay.Bigoness@nrc.gov>; Masnyk Bailey, Orysia X <Orysia.MasnykBailey@nrc.gov>
Subject: [External_Sender] NRC Statement of (b)(7)(C) Concerns
Jay and Orysia:

I have received a letter from the NRC, written by Nicole Warnek, Senior Allegation Coordinator, that contains Enclosure 1 that sets forth 6 "Concerns". Could you please send me Nicole's email address so I can communicate with Nicole directly about the statement of concerns.

Additionally, the statement sets forth statements as to what is or is not within the NRC jurisdiction, as if (b)(7)(C) would know such a thing. Please identify the scope of area that the NRC contends is within its jurisdiction at Hunters Point and what areas are outside NRC jurisdiction.

In the wrongful termination case that I litigated on behalf of four individuals that worked at Hunters Point and were released when they resisted the developing culture of rad cheating at Hunters Point I was confronted with a motion to dismiss the case based on the federal enclave, I have extensive information as a result of that process, including historic records of the areas claimed as enclaves by the Navy as well as detailed maps of the

enclave and non-federal enclave scope of Hunters Point. If the jurisdiction of the NRC is exactly the same as the federal enclave or non-federal enclave area, simply identifying it that way will work for me. If the NRC area of jurisdiction differs from the federal enclave area, then a detailed explanation of a PRF of a map will work.

I have had deep concerns over the years working on this case that the NRC was not doing its job, and was more interested in turning a blind eye to the issues than doing what those in the field thought the NRC was supposed to do. [For example, Susan Andrews informed Orysia in late 2011 of the falsified Chain of Custody documentation in her interview, and it appears the NRC did nothing with this information. The records and b7(C) statements show that Ms. Andrews report to Orysia in 2011 of falsified COC documents was accurate and ongoing, and went on for over a year thereafter. This is just one example of many reports of misconduct involving the rad processes brought to the NRC in 2011, 12, and 13 that went nowhere.] I have been concerned that the NRC may still be more interested in protecting itself due to current information showing a failure of oversight than protecting the public. I am concerned that the repeated referencing of jurisdiction is part of this effort to protect the NRC and those who work for the NRC that were to provide oversight of Hunters Point and Tetra Tech. I am hoping the NRC will realize the need to take a proactive effort to get things right at Hunters Point, rather than focusing on protecting its administrative butt.

Please also explain the relevance of geographic jurisdiction at Hunters Point when information shows that a company with an NRC license has been reported as intentionally and fraudulently submitting documents to the government [Navy] about remediation of radioactive materials. It would seem to me that the fraud involving rad material and fraudulent reporting to the government would both be of concern to the NRC due to the NRC issued license to Tetra Tech. Please explain to me why it is that the "Concern" document is so focused on geographic jurisdiction, and seems to ignore the issue of license oversight jurisdiction.

Due to my concerns, I want to go over these itemized "Concerns" for accuracy and completeness. At present I need additional information on the issue of jurisdiction to respond. I can state that the scope of the "Concerns" appears incomplete as presently framed, but I know that I do not have foundation information on jurisdiction to accurately respond.

I look forward to receiving the information and email address that I request so that we can provide clarification, corrections, and a full and accurate full scope of concerns relevant to the Tetra Tech license with the NRC and the conduct at Hunters Point.

David Anton

From: Klukan, Brett
Sent: Monday, August 01, 2016 9:32 AM
To: (b)(7)(C)
Subject: Fwd: NRC Statement of (b)(7)(C) Concerns
Attachments: 20160019 ackclo.pdf

(b)(7)(C)

See below for your awareness. The allegor's attorney cited concerns over NRC's oversight of Hunters Point activities.

We (Region I) plan to be the POC for further communications with the attorney.

Please let me know if you have any questions.

Thanks.

Cheers,
Brett

From: "Warnek, Nicole"
Subject: FW: NRC Statement of (b)(7)(C) Concerns
Date: 01 August 2016 08:54
To: "RIALLEGATION RESOURCE" , "Powell, Raymond" , "Klukan, Brett"
Cc: "Masnyk Bailey, Orysia X" , "Bigoness, Jay" , (b)(7)(C) , "Warnek, Nicole"

I received an email from the lawyer for the Hunter's Point allegor, in response to the acknowledgement/closure letter I sent. I will work with Brice to figure out a response, but wanted you all to be aware of the email since I may need to reach out to you.

For reference, the acknowledgement/closure letter I sent to Mr. Anton is attached.

Brett – this may require an OIG referral.

Nikki

From: Masnyk Bailey, Orysia X
Sent: Monday, August 01, 2016 7:51 AM
To: Warnek, Nicole
Cc: Bigoness, Jay
Subject: FW: NRC Statement of (b)(7)(C) Concerns
Can you reach out to Mr. Anton or should I give him another point of contact?
From: David Anton [mailto:davidantonlaw@gmail.com]
Sent: Sunday, July 31, 2016 3:17 PM
To: Bigoness, Jay <Jay.Bigoness@nrc.gov>; Masnyk Bailey, Orysia X <Orysia.MasnykBailey@nrc.gov>
Subject: [External_Sender] NRC Statement of (b)(7)(C) Concerns
Jay and Orysia:

I have received a letter from the NRC, written by Nicole Warnek, Senior Allegation Coordinator, that contains Enclosure 1 that sets forth 6 "Concerns". Could you please send me Nicole's email address so I can communicate with Nicole directly about the statement of concerns.

Additionally, the statement sets forth statements as to what is or is not within the NRC jurisdiction, as if [b)(7)(C)] would know such a thing. Please identify the scope of area that the NRC contends is within its jurisdiction at Hunters Point and what areas are outside NRC jurisdiction.

In the wrongful termination case that I litigated on behalf of four individuals that worked at Hunters Point and were released when they resisted the developing culture of rad cheating at Hunters Point I was confronted with a motion to dismiss the case based on the federal enclave. I have extensive information as a result of that process, including historic records of the areas claimed as enclaves by the Navy as well as detailed maps of the enclave and non-federal enclave scope of Hunters Point. If the jurisdiction of the NRC is exactly the same as the federal enclave or non-federal enclave area, simply identifying it that way will work for me. If the NRC area of jurisdiction differs from the federal enclave area, then a detailed explanation of a PRF of a map will work.

I have had deep concerns over the years working on this case that the NRC was not doing its job, and was more interested in turning a blind eye to the issues than doing what those in the field thought the NRC was supposed to do. [For example, Susan Andrews informed Orysia in late 2011 of the falsified Chain of Custody documentation in her interview, and it appears the NRC did nothing with this information. The records and [b)(7)(C)] statements show that Ms. Andrews report to Orysia in 2011 of falsified COC documents was accurate and ongoing, and went on for over a year thereafter. This is just one example of many reports of misconduct involving the rad processes brought to the NRC in 2011, 12, and 13 that went nowhere.] I have been concerned that the NRC may still be more interested in protecting itself due to current information showing a failure of oversight than protecting the public. I am concerned that the repeated referencing of jurisdiction is part of this effort to protect the NRC and those who work for the NRC that were to provide oversight of Hunters Point and Tetra Tech. I am hoping the NRC will realize the need to take a proactive effort to get things right at Hunters Point, rather than focusing on protecting its administrative butt.

Please also explain the relevance of geographic jurisdiction at Hunters Point when information shows that a company with an NRC license has been reported as intentionally and fraudulently submitting documents to the government [Navy] about remediation of radioactive materials. It would seem to me that the fraud involving rad material and fraudulent reporting to the government would both be of concern to the NRC due to the NRC issued license to Tetra Tech. Please explain to me why it is that the "Concern" document is so focused on geographic jurisdiction, and seems to ignore the issue of license oversight jurisdiction.

Due to my concerns, I want to go over these itemized "Concerns" for accuracy and completeness. At present I need additional information on the issue of jurisdiction to respond. I can state that the scope of the "Concerns" appears incomplete as presently framed, but I know that I do not have foundation information on jurisdiction to accurately respond.

I look forward to receiving the information and email address that I request so that we can provide clarification, corrections, and a full and accurate full scope of concerns relevant to the Tetra Tech license with the NRC and the conduct at Hunters Point.

David Anton



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

July 20, 2016

David C. Anton
Attorney At Law
1717 Redwood Lane
Davis, CA 95616

Subject: Concerns Your Client Raised to the NRC Regarding Hunters Point Naval Shipyard

Dear Mr. Anton:

This letter refers to concerns raised by your client (b)(7)(C) regarding Hunters Point Naval Shipyard. The NRC became aware of your client's concerns on March 11, 2016, through an NBC Bay Area news article. The NRC interviewed your client on June 28-29, 2016, to obtain additional information regarding his concerns. Enclosure 1 documents our understanding of (b)(7)(C) (b)(7)(C) concerns. Please contact me if we misunderstood or mischaracterized his concerns.

The NRC will pursue these matters, as appropriate. Typically, the NRC takes all reasonable efforts not to disclose an alleged's identity to any organization, individual outside the NRC, or the public. However, because your client notified the news media of his concerns, please understand that we cannot protect his identity as the source of these concerns.

The NRC plans no further correspondence on this matter. However, if you have any questions, clarifications, or additional information to provide, please call this office toll-free via the NRC Region I Safety Hotline at 1-800-432-1156, ext. 5222, between 7:30 a.m. and 4:15 p.m. EST, Monday through Friday, or contact me in writing at 2100 Renaissance Blvd, Suite 100, King of Prussia, PA 19406.

Sincerely,

Nicole S. Warnek
Senior Allegation Coordinator

Enclosure: As Stated

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

ENCLOSURE 1

Concern 1:

In the NBC news article, your client indicated that his supervisors ordered him to replace potentially contaminated soil samples with clean samples. During his interview with the NRC, your client indicated that the majority of soil replacements happened outside of NRC jurisdiction. However, one example occurred in Parcel G, which is under NRC jurisdiction. Your client stated that he, accompanied by another [named (b)(7)(C)] took soil samples from a trench underneath Building 351A. One of the samples was above release criteria. Your client stated that he attended a meeting where the participants included (b)(7)(C)

(b)(7)(C) and other (b)(7)(C) At that meeting (b)(7)(C) advised your client to "get a clean sample," because otherwise they would have to remediate with a special machine due to asbestos in the area, and getting that machine back would "be too expensive."

Concern 2:

In the NBC news article, your client indicated that his supervisors instructed him to dump potentially contaminated soil into open trenches across Hunters Point. During his interview with the NRC, your client clarified that the potentially contaminated soil was collected from Parcel E, replaced with "clean soil," and dumped into trenches also located in Parcel E, which is outside of NRC regulatory jurisdiction.

Concern 3:

In the NBC news article, your client indicated that his supervisors forced him to sign falsified documents (chain of custody forms for soil samples) that were later submitted to the government. During his interview with the NRC, your client stated that these chain of custody forms were for samples obtained in Parcel E. However, your client also stated that two other (b)(7)(C) [names provided] were told to falsify chain of custody forms, and they worked in areas under NRC jurisdiction.

Concern 4:

In the NBC news article, your client indicated that supervisors tampered with computer data that analyzed radiation levels. During his interview with the NRC, your client clarified that the computer data was associated with surveys performed in Parcel E.

Concern 5:

In the NBC news article, your client indicated that, when he raised concerns internally, the company response was that he could go home if he didn't like the company's tactics. No additional details were provided during your client's interview with the NRC.

Concern 6:

During his interview with the NRC, your client raised an additional concern not captured by the NBC news article. Your client asserted that, in January 2009, he collected a "background" sample that came back "hot." He was told by his supervisor to get another sample and not tell anyone about the "hot" sample. The area was never investigated. This sample collection occurred outside of NRC jurisdiction.

ENCLOSURE 1

NRC Response to Concerns 1-6:

Thank you for providing these concerns to the NRC. The NRC will pursue these matters, as appropriate.

For your information, the NRC is in the process of finalizing our enforcement response for similar issues identified at Hunters Point pertaining to Parcel C. Specifically, the NRC transmitted an apparent violation to Tetra Tech EC, Inc. (Tetra Tech) by letter dated February 11, 2016. The NRC identified that, between November 18, 2011, and June 4, 2012, when tasked with obtaining soil samples to ascertain the amount of residual radioactivity in specific locations within Parcel C, Tetra Tech employees instead obtained soil samples from other areas that were suspected to be less contaminated. The February 11, 2016, letter is publicly available in our Agency-wide Documents Access and Management System (ADAMS) at accession number (ML16042A074). Tetra Tech responded to the NRC by letters dated March 15, 2016 (ML16090A220) and March 22, 2016 (ML16090A318). The NRC is in the process of finalizing our enforcement response.

From: Urban, Richard
Sent: Friday, March 27, 2015 8:50 AM
To: DavidAntonlaw@gmail.com
Subject: Your Request

Per your letter to me dated March 17, 2015, NRC allegation files RI-2011-A-0113, RI-2012-A-0022 and RI-2011-A-0019 are closed.

V/R

Richard J. Urban
Sr. Allegation Coordinator
Region I, US NRC

From: Masnyk Bailey, Orysia
Sent: Tuesday, May 27, 2014 11:11 AM
To: Klukan, Brett
Subject: FW: WARNING CONTAINS ALLEGATION INFORMATION

From: Masnyk Bailey, Orysia
Sent: Tuesday, May 27, 2014 9:04 AM
To: Urban, Richard; R1ALLEGATION RESOURCE
Cc: Ferdas, Marc
Subject: WARNING CONTAINS ALLEGATION INFORMATION

Susan Andrews left a voice mail on my phone Saturday 4/24/2014. She advised me that the only way she would communicate with me was through her lawyer, David Antoine, by mail, or by email. I could not understand the address she left but she said that we had her address on file. She gave her email as either (b)(7)(C) or (b)(7)(C). She said that I should "send her my concerns and she would review them and get back to me."

From: Urban, Richard
Sent: Tuesday, May 27, 2014 7:21 AM
To: Klukan, Brett
Cc: Bickett, Brice; Masnyk Bailey, Orysia; Ferdas, Marc; R1ALLEGATION RESOURCE
Subject: FW: U.S. NRC re: Recent May 2014 phone messages / conversations... SENSITIVE ALLEG INFO

Brett,

Just an FYI [Mr. Bowers] and [Susan Andrews] are basically being informed by their lawyer that they shouldn't talk to us; rather they should only respond in writing to our writing. The reason for my call to them was to inform them of being considered widely known alleged and for Orysia to get more info on a couple new allegations that appeared in a news article.

From: (b)(6)
Sent: Monday, May 26, 2014 3:26 AM
To: Urban, Richard
Subject: U.S. NRC re: Recent May 2014 phone messages / conversations...

Mr. Urban,

As follow up to the the subject line above:

A voice message left for me on May 21, 2014 at 1 PM, detailed your advisement of the following:

... the article that was out in the paper about "Former Contractors Claim Hunters Point Cleanup Is Botched"
... a couple of things to go over
... inspector Orysia Masnyk-Bailey had some questions
... we were trying to make a dual call
... we'll try to get back with ya
... if we don't hear back from you we'll be calling you separately
... maybe you can give me a call at 610 337-5271
... Orysia is at 864 427-1032

The following day (May 22, 2014 at 1:59 PM), you and I talked directly during which my preference was shared that subsequent communications with the NRC be conducted in writing. To justify, I feel that doing so allows the enhanced opportunity for sufficiently documented detail to be clearly communicated, in particular as to what information is now needed by the NRC and why the agency is attempting to contact me after such an extended lapse in time.

Frankly, a rationalized explanation evades me and personal concerns build over circumstances and appearances related to radiological safety at Hunters Point. In

particular, that which suggest the NRC's present day agenda is more on damage control / assessment / repair as a greater priority due to negative public scrutiny - complete with overarching licensee protection afforded those with a demonstrated history of suspect intent - who in doing so have allowed for the inexcusable compromise of general public, project staff, and environmental well being, all while making deflective and misleading representations to officials of local, state, and federal government agencies.

Mr. Urban, it has been and continues to be my morally preferred and professionally correct objective to openly cooperate with you, your office staff, and representatives of all branches within the NRC. Hence, to ensure a detailed understanding during ensuing communications, please state your intent very clearly, and document what you want from me in detail. I will conscientiously consider your correspondence in like fashion with the best interest of the general public, the Hunters Point project population, and the environment in mind as my top priority.

Sincerely,

Elbert "Bert" Bowers

(b)(6)

From: Klukan, Brett
Sent: Thursday, May 08, 2014 11:57 AM
To: Urban, Richard; Screnci, Diane
Cc: R1ALLEGATION RESOURCE; Bickett, Brice
Subject: RE: NBC Bay Area News - Hunters Point Questions SENSITIVE ALLEG INFO RI-2011-A-0019

I've reached out to OGC to see if I can get ahold of this guidance before next week.

Cheers,
Brett

From: Urban, Richard
Sent: Thursday, May 08, 2014 11:26 AM
To: Klukan, Brett; Screnci, Diane
Cc: R1ALLEGATION RESOURCE; Bickett, Brice
Subject: RE: NBC Bay Area News - Hunters Point Questions SENSITIVE ALLEG INFO RI-2011-A-0019

I just spoke to Dave Vito. He is in RIV with Lisa. However, he told me that OGC has previously ruled that this does not make them widely known allegers. Further, even though EB said we could confirm him having come to us, Dave cautioned that we should not. Dave said he could provide OGC justification when he gets back next week.

From: Klukan, Brett
Sent: Thursday, May 08, 2014 11:01 AM
To: Urban, Richard; Screnci, Diane
Cc: R1ALLEGATION RESOURCE; Bickett, Brice
Subject: RE: NBC Bay Area News - Hunters Point Questions SENSITIVE ALLEG INFO RI-2011-A-0019

The complaint (the document at the first bottom of the docket list) notes that both Andrews and Bowers made allegations to the NRC. The complaint is a public document.

Diane, thanks for finding this—I was just about to go look for it.

Cheers,
Brett

From: Urban, Richard
Sent: Thursday, May 08, 2014 10:52 AM
To: Screnci, Diane; Klukan, Brett
Cc: R1ALLEGATION RESOURCE
Subject: RE: NBC Bay Area News - Hunters Point Questions SENSITIVE ALLEG INFO RI-2011-A-0019

Elbert Bowers; Susan Andrews; (b)(7)(C)

From: Screnci, Diane
Sent: Thursday, May 08, 2014 10:48 AM
To: Urban, Richard; Klukan, Brett
Cc: Bickett, Brice; Dean, Bill; R1ALLEGATION RESOURCE
Subject: RE: NBC Bay Area News - Hunters Point Questions SENSITIVE ALLEG INFO RI-2011-A-0019

I think this might be what we're looking for.... <http://www.plainsite.org/dockets/xsu4w9so/superior-court-of-california-county-of-san-francisco/susan-v-andrews-et-al-v-tetra-tech--ec-inc-et-al/>

The entire docket is at <http://www.plainsite.org/dockets/xsu4w9so/superior-court-of-california-county-of-san-francisco/susan-v-andrews-et-al-v-tetra-tech--ec-inc-et-al/>

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Urban, Richard
Sent: Thursday, May 08, 2014 10:40 AM
To: Klukan, Brett
Cc: Bickett, Brice; Dean, Bill; Screnci, Diane; R1ALLEGATION RESOURCE
Subject: RE: NBC Bay Area News - Hunters Point Questions SENSITIVE ALLEG INFO RI-2011-A-0019

I spoke to the allegor. He has never spoken to this news reporter. As best as I can tell, it sounds like him and three other allegors have retained the services of an attorney and have filed a claim in Federal Civil Court. In the meantime DOL has put the cases on hold pending the claim. Brice and I believe that this court filing could be public and may contain the names of the allegors and their concerns.

Brett, could you get this filing? Is that possible? If we can verify what we believe, we can probably go with widely-known allegor status for these allegors. I have the name of EB's attorney (David Anton) but that's it. EB was supposed to call me back with contact information for the lawyer.

From: Urban, Richard
Sent: Thursday, May 08, 2014 9:30 AM
To: Dean, Bill; Screnci, Diane
Cc: Bickett, Brice
Subject: RE: NBC Bay Area News - Hunters Point Questions

The allegor left me a voice message late yesterday. I will be calling him shortly, which will hopefully make our job easy to respond to the reporter.

From: Dean, Bill
Sent: Wednesday, May 07, 2014 9:09 PM
To: Urban, Richard; Screnci, Diane
Cc: Bickett, Brice
Subject: Re: NBC Bay Area News - Hunters Point Questions

Would be nice if we could reference the fact he is an allegor and be more transparent. No camera, obviously, but could we not say we have received allegations regarding similar issues and not say where we got them from?

Bill Dean
Regional Administrator
Region I, USNRC

From: Urban, Richard
Sent: Wednesday, May 07, 2014 02:43 PM
To: Screnci, Diane; Dean, Bill
Cc: Bickett, Brice
Subject: RE: NBC Bay Area News - Hunters Point Questions

I called him about an hour ago and left a message on his cell phone. He has yet to return my call.

From: Screnci, Diane
Sent: Wednesday, May 07, 2014 2:01 PM
To: Dean, Bill
Cc: Bickett, Brice; Urban, Richard
Subject: FW: NBC Bay Area News - Hunters Point Questions

Bill,

I received this email last night. I've told the reporter I'll get back to her. Just wanted to run by you what I'm planning.

I've discussed this with Rick, who has discussed with HQ Allegations.

Rick is trying to contact the gentleman named in the email to determine whether he wants us to treat him as a public allegor. If he does, we can then respond to the email by saying yes, he's come to us; we've looked into his concerns and what we found.

If he declines to be treated as a public allegor – or is not reachable – we would have to “neither confirm nor deny” whether he had come to us... and answer no questions about his allegations. I'd provide information about protecting the identity of allegors and why we do that.

In either case, I'd suggest we decline to go on camera with the reporter. (although I'm fairly certain she wasn't anticipating she'd have to come here to interview someone.)

Your thoughts?

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Wagner, Elizabeth (NBCUniversal) [<mailto:Elizabeth.Wagner@nbcuni.com>]
Sent: Tuesday, May 06, 2014 6:38 PM
To: Screnci, Diane
Cc: Nguyen, Vicky (NBCUniversal); Wagner, Elizabeth (NBCUniversal)
Subject: NBC Bay Area News - Hunters Point Questions

Hi Diane,

Whistleblowers who used to work at Hunters Point—including former Tetra Tech radiation safety consultant Elbert Bowers—have told us that they have concerns regarding site remediation. Among his concerns:

- That safety protocol and radiological safety controls are being ignored at Hunters Point
- That unqualified personnel are working in safety-sensitive roles at the site
- That the culture at Hunters Point changed from one in which radioactive cleanup was a top priority to one in which getting work done quickly and cheaply is paramount

Mr. Bowers said that he raised his concerns to the NRC, but that his concerns were ignored.

We plan to report these developments and would like to include the NRC's side of the story. We are requesting an on-camera interview with an NRC official to discuss the claims brought forth by former contractors at Hunters Point. Specifically, we would like to address how the NRC has handled these claims and whether the NRC has launched an investigation into the cleanup efforts at Hunters Point. We would like to schedule the interview as soon as possible. Please contact me at (b)(7)(C) to discuss this opportunity.

OCT 14 2014

Mr. Elbert G. Bowers

(b)(6)

RI-2014-A-0045

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Mr. Bowers,

The NRC Region I Office has completed its follow up in response to a news article published on May 19, 2014, in which we identified one concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter restates your concern and describes our review and conclusions regarding that concern.

Allegations are an important source of information in support of the NRC's safety mission, and as such, we take our safety responsibility to the public seriously within the bounds of our lawful authority. We believe that our actions have been responsive. If, however, you can provide new information, or the NRC receives additional information from another source that suggests that our conclusion should be altered, we will evaluate that information to determine whether further action is warranted. Should you have any additional questions or if the NRC can be of further assistance in this matter, please call this office toll-free via the NRC Safety Hotline at 1-800-432-1156, extension 5222, between 7:30 a.m. and 4:15 p.m. EST, Monday through Friday, or contact me in writing at P.O. Box 80377, Valley Forge, PA 19484.

Sincerely,

Original Signed By:

Richard J. Urban
Senior Allegation Coordinator

Enclosure: As Stated

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

OFFICIAL RECORD COPY

Distribution:

Allegation File No. RI-2014-A-0045

DOCUMENT NAME: G:\ORAVALLEGICLOSE\20140045clo.docx

Non-Public Designation Category: MD 3.4 Non-Public A.1

<input checked="" type="checkbox"/> SUNSI Review		<input type="checkbox"/> Non-Sensitive <input checked="" type="checkbox"/> Sensitive		<input type="checkbox"/> Publicly Available <input checked="" type="checkbox"/> Non-Publicly Available	
OFFICE	DNMS:NMSB3	ORA:SAC	<i>PJM</i>		
NAME	M Ferdas <i>MSF</i>	R Urban	<i>[Signature]</i>		
DATE	10/10/2014	10/14/2014			

OFFICIAL RECORD COPY

Concern:

In December 2010, when the project was supposed to be in the middle of a two-week shutdown, you took photos of what you asserted as trucks and tanks hauling dirt and contaminated water from the Hunters Point Naval Shipyard through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point. You stated you detailed your findings in e-mails to Tetra Tech managers.

Response to Concern:NRC Assessment

During an inspection conducted at the Hunters Point Naval Shipyard (HPNS) on July 21 - 22, 2014, an NRC inspector reviewed procedures and records and interviewed personnel familiar with activities that occurred in the 2010 time frame. Included in the records reviewed by the NRC inspector were two e-mails dated December 21, 2010, which you referred to in your concern, and the records associated with the investigation that was performed by Tetra Tech based on the information that you had provided to them.

In your first e-mail you stated to Tetra Tech that "Baker" tanks had left the site without the use of the vehicle portal monitor (VPM). Based on discussions with Tetra Tech personnel during the inspection, the inspector determined that, at the time of your e-mails, Baker tanks were being utilized by various on-site contractors at HPNS, not just Tetra Tech. Tetra Tech performed an investigation into the picture you had taken, and concluded that the three Baker tanks shown in the picture were not associated with any activities they were performing at the site. Specifically, the picture you provided showed Baker tanks parked by a fence line, in an area where Tetra Tech did not store their tanks. Tetra Tech did not know which contractor was responsible for the tanks in your picture.

In your second e-mail to Tetra Tech, you stated that a metal bin truck had departed HPNS at a time when the VPM was not in operation. The inspector reviewed the applicable licensee procedure for the VPM, titled "Final Hunters Point Shipyard Project, Standard Operating Procedures, Gamma Screening of Trucks Using the Skid-Mounted Portal Monitor," Revision 3, dated December 3, 2008. The inspector noted that the procedure did not require all trucks to be screened prior to leaving site. Rather, use of the VPM was required only for trucks that were loaded with soils and debris, to ensure the contents were not contaminated. Tetra Tech's investigation concluded that the truck referenced in your e-mail appeared to be a metal recycling truck, which would not have been required to pass through the VPM. The inspector also viewed the picture of the truck, and agreed it did not appear to be a soil truck. Specifically, the inspector noted that soil trucks are open on the top, whereas your picture showed a closed truck, similar to a recycling truck.

NRC Conclusion

Based on the above, the NRC was unable to substantiate your concern that trucks and tanks were hauling dirt and contaminated water from HPNS through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point.



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

OCT 14 2014

Mr. Elbert G. Bowers

RI-2014-A-0045

(b)(7)(C)

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Mr. Bowers:

The NRC Region I Office has completed its follow up in response to a news article published on May 19, 2014, in which we identified one concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter restates your concern and describes our review and conclusions regarding that concern.

Allegations are an important source of information in support of the NRC's safety mission, and as such, we take our safety responsibility to the public seriously within the bounds of our lawful authority. We believe that our actions have been responsive. If, however, you can provide new information, or the NRC receives additional information from another source that suggests that our conclusion should be altered, we will evaluate that information to determine whether further action is warranted. Should you have any additional questions or if the NRC can be of further assistance in this matter, please call this office toll-free via the NRC Safety Hotline at 1-800-432-1156, extension 5222, between 7:30 a.m. and 4:15 p.m. EST, Monday through Friday, or contact me in writing at P.O. Box 80377, Valley Forge, PA 19484.

Sincerely,

Richard J. Urban
Senior Allegation Coordinator

Enclosure: As Stated

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Concern:

In December 2010, when the project was supposed to be in the middle of a two-week shutdown, you took photos of what you asserted as trucks and tanks hauling dirt and contaminated water from the Hunters Point Naval Shipyard through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point. You stated you detailed your findings in e-mails to Tetra Tech managers.

Response to Concern:NRC Assessment

During an inspection conducted at the Hunters Point Naval Shipyard (HPNS) on July 21 - 22, 2014, an NRC inspector reviewed procedures and records and interviewed personnel familiar with activities that occurred in the 2010 time frame. Included in the records reviewed by the NRC inspector were two e-mails dated December 21, 2010, which you referred to in your concern, and the records associated with the investigation that was performed by Tetra Tech based on the information that you had provided to them.

In your first e-mail you stated to Tetra Tech that "Baker" tanks had left the site without the use of the vehicle portal monitor (VPM). Based on discussions with Tetra Tech personnel during the inspection, the inspector determined that, at the time of your e-mails, Baker tanks were being utilized by various on-site contractors at HPNS, not just Tetra Tech. Tetra Tech performed an investigation into the picture you had taken, and concluded that the three Baker tanks shown in the picture were not associated with any activities they were performing at the site. Specifically, the picture you provided showed Baker tanks parked by a fence line, in an area where Tetra Tech did not store their tanks. Tetra Tech did not know which contractor was responsible for the tanks in your picture.

In your second e-mail to Tetra Tech, you stated that a metal bin truck had departed HPNS at a time when the VPM was not in operation. The inspector reviewed the applicable licensee procedure for the VPM, titled "Final Hunters Point Shipyard Project, Standard Operating Procedures, Gamma Screening of Trucks Using the Skid-Mounted Portal Monitor," Revision 3, dated December 3, 2008. The inspector noted that the procedure did not require all trucks to be screened prior to leaving site. Rather, use of the VPM was required only for trucks that were loaded with soils and debris, to ensure the contents were not contaminated. Tetra Tech's investigation concluded that the truck referenced in your e-mail appeared to be a metal recycling truck, which would not have been required to pass through the VPM. The inspector also viewed the picture of the truck, and agreed it did not appear to be a soil truck. Specifically, the inspector noted that soil trucks are open on the top, whereas your picture showed a closed truck, similar to a recycling truck.

NRC Conclusion

Based on the above, the NRC was unable to substantiate your concern that trucks and tanks were hauling dirt and contaminated water from HPNS through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point.

From: RIALLEGATION RESOURCE
Sent: Thursday, October 09, 2014 1:35 PM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Crisden, Cherie; Warnek, Nicole
Subject: FW: RI-2014-A-0045 *sensitive allegation information - do not disclose*
Attachments: 20140045clo.docx; 20140046clo.docx

From: Warnek, Nicole
Sent: Thursday, October 09, 2014 1:34:39 PM
To: Masnyk Bailey, Orysia
Cc: Ferdas, Marc; RIALLEGATION RESOURCE
Subject: RI-2014-A-0045 *sensitive allegation information - do not disclose*
Auto forwarded by a Rule.

Hi Orysia,

I have a short-turnaround item I need your help with. The closure letter for allegation 2014-A-0045 is due next Thursday (10/16). I need some additional information from you to fully close the allegation. Can you review the attached and answer the highlighted questions?

ET -

If you have any questions please call. Otherwise, we need the input by COB Tuesday to support the closure letter going out on Thursday.

I also attached -0046 so you can see the changes I made to that letter.

Thank you!

Nikki

Nicole S. Warnek
Allegation & Enforcement Specialist
Region I Office of the Regional Administrator
610-337-6954 (office)
 (cell)

From: R1ALLEGATION RESOURCE
Sent: Wednesday, September 10, 2014 1:44 PM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Crisden, Cherie; Warnek, Nicole
Subject: FW: Closeout Writeup for -045 & -046 WARNING CONTAINS ALLEGATION INFORMATION
Attachments: R1-2014-A-0045.docx; R1-2014-A-0046.docx

From: Ferdas, Marc
Sent: Wednesday, September 10, 2014 1:43:32 PM
To: R1ALLEGATION RESOURCE
Subject: Closeout Writeup for -045 & -046 WARNING CONTAINS ALLEGATION INFORMATION
Auto forwarded by a Rule

****WARNING ALLEGATION MATERIAL – DO NOT DISCLOSE****

Attached are input for the enclosure to the closeout letter for Allegations -045 and -046

Marc S. Ferdas

Chief, Decommissioning & Technical Support Branch (NRC/Region 1/DNMS)

Marc.Ferdas@nrc.gov

610-337-5022 (w)

(c)

From: Masnyk Bailey, Orysia
Sent: Wednesday, September 10, 2014 10:03 AM
To: Ferdas, Marc
Subject: WARNING CONTAINS ALLEGATION INFORMATION

Concern:

Response to Concern:

NRC Assessment

NRC Conclusion

(b)(5)



From: Urban, Richard
Sent: Wednesday, September 03, 2014 12:00 PM
To: Urban, Richard
Subject: FW: RI-2014-A-0045 & 0046 *sensitive allegation information - do not disclose*

From: R1ALLEGATION RESOURCE
Sent: Wednesday, September 03, 2014 10:42 AM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Crisden, Cherie; Warnek, Nicole
Subject: FW: RI-2014-A-0045 & 0046 *sensitive allegation information - do not disclose*

From: Warnek, Nicole
Sent: Wednesday, September 03, 2014 10:42:19 AM
To: R1ALLEGATION RESOURCE
Subject: FW: RI-2014-A-0045 & 0046 *sensitive allegation information - do not disclose*
Auto forwarded by a Rule

Per Orysia's email, we can close the "inspection" action in AMS for the subject allegations. Inspection was completed 7/22/14.

From: Masnyk Bailey, Orysia
Sent: Tuesday, September 02, 2014 4:01 PM
To: Warnek, Nicole
Subject: RE: RI-2014-A-0046 *sensitive allegation information - do not disclose*

The inspection was done July 21-22, 2014.

JUN 16 2014

Mr. Elbert G. Bowers

RI-2014-A-0045

(b)(7)(C)

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Mr. Bowers:

This letter refers to a news article published on May 19, 2014, in which you raised several concerns regarding Hunters Point. Based on our review of the article, we have determined that the NRC previously addressed and closed most of the concerns you raised. However, we have identified one new concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter documents our understanding of your concern. If the description of your concern as documented in the enclosure is not accurate, please contact this office so that we can assure it is appropriately described prior to the completion of our review.

We have initiated actions to examine your concern. The NRC normally completes evaluations of technical concerns within six months, although complex issues may take longer. However, after evaluating the information in the news article, we have determined that we would benefit from additional information in order to perform a more effective review of your concern. If you can provide the photographs or e-mails referenced in the news article, such information would help us focus our review effort. If you can provide this information, please contact this office within 10 days of receipt of this letter. If no additional information is received within 10 days, we will proceed with our review based on the information currently available. Additionally, we plan to conduct an on-site visit to Hunters Point later this summer. If you have additional concerns that you have not previously raised to the NRC, please contact us as soon as possible so we can ensure timely review and follow-up.

Typically, the NRC takes all reasonable efforts not to disclose an allegor's identity to any organization, individual outside the NRC, or the public. However, as previously described in our letter to you dated June 2, 2014 (regarding Allegation RI-2011-A-0019), because you notified the news media of your concerns, we could not protect your identity as the source of those concerns. Similarly, because your current concern appeared in a news article, we cannot protect your identity as the source of this concern.

Enclosed with this letter is a brochure entitled "Reporting Safety Concerns to the NRC," which includes an important discussion of the identity protection provided by the NRC as well as those circumstances that limit the NRC's ability to protect an allegor's identity. Please read that section of the brochure. The brochure also contains information that you may find helpful in understanding our process for reviewing safety concerns.

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

~~OFFICIAL RECORD COPY~~

Mr. Bert Bowers]

2

RI-2014-A-0045

We will advise you when we have completed our review. Should you have any additional questions, or if the NRC can be of further assistance in this matter, please call this office toll-free via the NRC Safety Hotline at 1-800-432-1156, extension 5222, between 7:30 a.m. and 4:15 p.m. EST, Monday through Friday, or contact me in writing at P.O. Box 80377, Valley Forge, PA 19484. You may also communicate with us by e-mail if you so choose. Please be advised that the NRC cannot protect the information during transmission on the Internet and there is a possibility that someone could read your response while it is in transit. The e-mail address for the Region I Allegations Office is R1Allegations.Resource@nrc.gov.

Sincerely,

Original Signed By:

Richard J. Urban
Senior Allegation Coordinator

Enclosures: As Stated

~~OFFICIAL RECORD COPY~~

Mr. Bert Bowers

3

RI-2014-A-0045

Distribution:
Allegation File No. RI-2014-A-0045

DOCUMENT NAME: G:\ORAVALLEGACK\20140045ack.docx

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

OFFICE	DNMS:BC	RI:SAC							
NAME	MFerdas <i>ANCA</i> <i>For</i>	R Urban <i>RJL</i>							
DATE	06/12/2014	06/16/2014							

OFFICIAL RECORD COPY

ENCLOSURE 1

RI-2014-A-0045

Concern:

In December 2010, when the project was supposed to be in the middle of a two-week shutdown, you took photos of what you asserted as trucks and tanks hauling dirt and contaminated water from the Hunters Point Naval Shipyard through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point. You stated you detailed your findings in e-mails to Tetra Tech managers.

OFFICIAL RECORD COPY



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD.
KING OF PRUSSIA, PA 19406-2745

JUN 16 2014

Mr. Elbert G. Bowers

RI-2014-A-0045

(b)(7)(C)

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Mr. Bowers:

This letter refers to a news article published on May 19, 2014, in which you raised several concerns regarding Hunters Point. Based on our review of the article, we have determined that the NRC previously addressed and closed most of the concerns you raised. However, we have identified one new concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter documents our understanding of your concern. If the description of your concern as documented in the enclosure is not accurate, please contact this office so that we can assure it is appropriately described prior to the completion of our review.

We have initiated actions to examine your concern. The NRC normally completes evaluations of technical concerns within six months, although complex issues may take longer. However, after evaluating the information in the news article, we have determined that we would benefit from additional information in order to perform a more effective review of your concern. If you can provide the photographs or e-mails referenced in the news article, such information would help us focus our review effort. If you can provide this information, please contact this office within 10 days of receipt of this letter. If no additional information is received within 10 days, we will proceed with our review based on the information currently available. Additionally, we plan to conduct an on-site visit to Hunters Point later this summer. If you have additional concerns that you have not previously raised to the NRC, please contact us as soon as possible so we can ensure timely review and follow-up.

Typically, the NRC takes all reasonable efforts not to disclose an alleged's identity to any organization, individual outside the NRC, or the public. However, as previously described in our letter to you dated June 2, 2014 (regarding Allegation RI-2011-A-0019), because you notified the news media of your concerns, we could not protect your identity as the source of those concerns. Similarly, because your current concern appeared in a news article, we cannot protect your identity as the source of this concern.

Enclosed with this letter is a brochure entitled "Reporting Safety Concerns to the NRC," which includes an important discussion of the identity protection provided by the NRC as well as those circumstances that limit the NRC's ability to protect an alleged's identity. Please read that section of the brochure. The brochure also contains information that you may find helpful in understanding our process for reviewing safety concerns.

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

ENCLOSURE 1

RI-2014-A-0045

Concern:

In December 2010, when the project was supposed to be in the middle of a two-week shutdown, you took photos of what you asserted as trucks and tanks hauling dirt and contaminated water from the Hunters Point Naval Shipyard through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point. You stated you detailed your findings in e-mails to Tetra Tech managers.

N. Warner
6-4-2014 ARB

Note - Ack Ltr (2014-A-0045) (2014-A-0046)

- Widely known words
- We previously have addressed other concerns in article / validity is known
- for - 0045, request photos (emails (provide Rurban email?))
- for - 0046, ask if trucks were hand scanned (provide Rurban email)

(b)(5)

- offer we will be conducting on-site visit later this summer, provide email so they can let us know if there are any other concerns. (RI Allegation Resource)

**ALLEGATION REVIEW BOARD DISPOSITION RECORD
ARB MINUTES ARE REVIEWED AND APPROVED BY THE ARB CHAIR**

Allegation No.: RI-2014-A-0045
Site/Facility: Hunters Point, CA (Navy BRAC site)
ARB Date: June 4, 2014

Branch Chief (AOC): Ferdas
Acknowledged: No
Confidentiality Granted: N/A

Concerns Discussed: Multiple concerns were described in the news report. All, but one concern for this Concerned Individual (CI), were closed in previous allegation files: RI-2011-A-0019, RI-2011-A-0113, and RI-2012-A-0022. This concern was brought to the NRC's attention through a California news report quoting the CI.

The CI stated that, in December 2010, when the project was supposed to be in the middle of a two-week shutdown [he] took photos of what [he] describes as trucks and tanks hauling dirt and contaminated water from the Hunters Point Naval Shipyard through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point. [He] stated [he] detailed [his] findings in emails to Tetra Tech managers.

Does allegor object to providing concerns to the licensee via an RFI? N/A

ALLEGATION REVIEW BOARD ATTENDEES

Chair: Marshall **Branch Chief:** Hammann **SAC:** Urban **OI:** (b)(7)(C)
RI Counsel: Klukan
Others: Masnyk Bailey, Richard Chang HQ, Warnek, Clifford, Stephen Lloyd, HQ

DISPOSITION METHOD (See Attached RFI Worksheet, If Applicable)

RFI Inspection Investigation N/A

DISPOSITION ACTIONS

1. Acknowledgment Letter to CI. Ask for additional info (pictures, emails)

Responsible Person: Urban
Closure Documentation:

ECD: June 18, 2014
Completed:

2. Perform inspection at Hunters Point Naval Shipyard with focus on truck surveys; coordinate with California and document inspection. The inspection is tentatively scheduled for the week of July 21, 2014.

Responsible Person: Ferdas
Closure Documentation:

ECD: August 20, 2014
Completed:

SAFETY CONCERN: Potential for contaminated soil and water to have left Hunters Point dispersed to public landfills and bodies of water, sewers, etc.

PRIORITY OF OI INVESTIGATION:

RATIONALE USED TO DEFER OI DISCRIMINATION CASE:

NOTE: Trucks leaving Hunters Point Naval Shipyard have to exit via a radiation portal monitor. If the radiation portal monitor alarms, the contents of the truck are hand surveyed in accordance with a Tetra Tech procedure. The inspector will review these survey records and interview personnel. In addition, the inspector will request any and all records from the Navy for their site visits to Hunters Point Naval Shipyard to verify if the Navy also reviewed truck surveys.

G:\ora\alleg\panel\20140045arb1.docx

DISTRIBUTION: Panel Attendees, Regional Counsel, OI, Responsible Persons

From: R1ALLEGATION RESOURCE
Sent: Thursday, May 29, 2014 9:54 AM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Bearde, Diane; Crisden, Cherie; Warnek, Nicole
Subject: FW: Tetra tech - add'l background info
Attachments: ttREVIEW.docx

From: Modes, Kathy
Sent: Thursday, May 29, 2014 9:53:46 AM
To: R1ALLEGATION RESOURCE
Cc: Masnyk Bailey, Orysia
Subject: Tetra tech - add'l background info
Auto forwarded by a Rule

Background info if anyone asks about the other previous concerns.

This is a summary of the concerns contained in the 5/19/2014 article about Hunters Point (Naval Shipyard) Cleanup. The majority of the concerns were addressed by the NRC in R1-2011-A-0113 in response to Susan Andrew's concerns, R1-2011-A-0019 in response to Bert Bowers, and R1-2014-A-0028 for both.

There is one new concern from each Concerned Individual (see **bolded text** below for new concerns):

Attributed to "two high-level former technicians" in the article:

1. Remediation is not being conducted properly.
2. Cleanup is being botched and that the health and safety of the public is at risk because of it.

NRC evaluation for 1&2:

The NRC, as well as State of California, inspectors and representatives of the Navy, have conducted multiple visits to Hunters Point Naval Shipyard to observe the remediation process. The NRC did not identify any safety concerns or violations.

3. Failure of workers to properly secure potentially radioactive access.

NRC response in R1-2011-A-0019:

"The inspector many posted areas during the inspection. All areas appeared to be properly posted." and "the NRC confirmed that there have been breaches in the perimeter fence, but the NRC was unable to identify any improprieties or inadequacies associated with NRC-regulated activities. The licensee appears to act in a timely fashion to assess and repair any breaches in the perimeter fence."

Also, during NRC inspections conducted on March 29-30, 2011, January 9-12, 2012, and April 7-8, 2014, the inspectors noted that the licensee maintained adequate control of radiologically impacted areas.

4. Promotion of unqualified personnel to senior, safety sensitive roles.

NRC response in R1-2011-A-0113:

In response to this concern, during a January 2012 inspection of Tetra Tech at Hunters Point, the NRC evaluated the training program and qualifications of radiation workers working under the Tetra Tech materials license at Hunters Point. NRC inspectors reviewed Tetra Tech's training records and test results, interviewed radiation workers, and observed them in the performance of their duties. The inspectors noted that Tetra Tech was utilizing two types of radiation workers at Hunters Point. Specifically, there was Radiation Control Technicians (RCTs) (i.e., Health Physicists) and support staff like laborers, drivers, construction workers, etc., all of whom received training. Tetra Tech also provided site and task specific training for the work each radiation worker would be performing and had morning "tailgate" briefings during which radiation protection concerns were discussed. In their license application, Tetra Tech had committed to ensuring that radiation workers were

trained in accordance with Appendix H of NUREG-1556, Volume 18, "Consolidated Guidance About Materials Licenses; Program-Specific Guidance About Service Provider Licenses," dated November 2000. During the inspection it was verified that the training given meets the requirements of Appendix H.

The inspectors noted that competency of RCTs was demonstrated through written tests and practical examinations; and radiation workers were found to be trained in accordance with NRC requirements and guidance. The inspectors reviewed the training records of the individual named above, and found that the individual was trained in accordance with Tetra Tech's commitments and NRC requirements.

Attributed to Susan Andrews:

1. Trucks leaving the site must pass through a portal monitor to get screened for radiological contamination. The sensors would determine whether the soil was clean or radioactive, and ultimately where the dirt was to be disposed of. The sensitivity of the portal monitor was decreased below the manufacturer's specification. The detector alarm set point was raised to 8.5 deviations above background in 2011 from the original 6 deviations above background in 2008, lowering the amount of radiation the portal monitor would detect.
2. **"They can't be shipping potentially contaminated soil as clean landfill into the City of San Francisco. Documented trucks that left the site with potentially radioactive material that never passed the portal monitor. In one week in October 2011 more than 70 trucks failed the portal monitor but were still released to go off site. (NOTE: NEW CONCERN)**

NRC response in R1-2014-A-0028:

Tetra Tech implemented the use of a portal radiation monitor at HPS. The inspector found that the monitor was properly installed, calibrated, daily source checked, and operated in accordance with Tetra Tech's "Standard Operating Procedure, HPO-Tt-021, Gamma Screening of Trucks Using the Stationary Portal Monitor", DCN:ECSD-RAC-05-1230, as required by Section 4.1.8 of the Base-wide Radiological Work Plan. The portal monitor is a Ludlum Model 3500-1000RMW portal monitor and is set not to exceed 8.5 deviations above background. If the truck sets off the portal monitor, the truck is scanned by hand using a portable 2X2 sodium iodide detector. Incoming trucks also pass through the portal monitor. The monitor is used to prevent the entry or exit materials containing elevated radiation levels. None of the soil from Parcel C was rejected at the portal monitor.

The specificity of #2, in that 70 trucks left the site in October 2011 is a new concern and the NRC will perform an inspection regarding truck surveys in July 2014.

3. Raised questions to one of her superiors and was told to hush up and take the money and go home when the project is complete.

OI conducted review of management treatment of CI.

4. Feels betrayed by the NRC because/she believed the agency has the authority to put a halt to violations/she says she witnessed.

Provide CI NRC IG contact info.

5.

(b)(7)(C)

OI conducted review of management treatment of CI.

Attributed to Bert Bowers:

1. Most egregious violation of standard protocol.

Not enough specificity to evaluate. During NRC inspections conducted on March 29-30, 2011, January 9-12, 2012, and April 7-8, 2014, no violations were identified by the NRC.

2. Improper storage of radiation detection devices.

I think that this was a typo since there is no NRC requirement concerning the storage of detection devices. I think he meant to say radioactive sources.

NRC response in R1-2011-A-0113:

In response to this concern, during a January 2012 inspection of Tetra Tech at Hunters Point, the NRC noted that "All RCTs interviewed demonstrated a good understanding of the necessity of properly securing the source used to check the monitor and of the process for retrieving and replacing the source in the storage locker. Tetra Tech's source lockers were assessed and found to be properly posted and secured."

3. Inadequate signage and barriers to keep the public away from potentially radioactive areas that hadn't been cleared. Someone from the general public could walk in, unabated, get it (contaminants) on their clothes, their person, eat the food. They could have had an intake of radioactive contaminants and it would never have been caught or avoided.

Response to R1-2011-A-0019:

"The inspector many posted areas during the inspection. All areas appeared to be properly posted." and "the NRC confirmed that there have been breaches in the perimeter fence, but the NRC was unable to identify any improprieties or inadequacies associated with NRC-regulated activities. The licensee appears to act in a timely fashion to assess and repair any breaches in the perimeter fence"

Also, during NRC inspections conducted on March 29-30, 2011, January 9-12, 2012, and April 7-8, 2014, the inspectors noted that the licensee maintained adequate control of radiologically impacted areas.

4. Trucks and tanks hauling dirt and contaminated water from San Francisco and through the Bay Area without being tested for radiation or cleared for disposal. Baker Tanks (water) were posted with radiological contents and radioactive water. Anything that leaves the site of that magnitude is supposed to go to a radiation detection device. (NOTE: NEW CONCERN)

Although the issue of soil leaving the site has been addressed, the issue of potentially contaminated water has not. This is a new concern.

5. Company culture changed from one in which safety was paramount to one that favored production and cost savings.

NRC response in R1-2011-A-0113:

In response to this concern, during a January 2012 inspection of Tetra Tech at Hunters Point, the NRC staff reviewed this concern and determined that you did not identify any specific noncompliance with NRC requirements or regulations.

6. Public can't be confident that soil leaving Hunters Point and the remaining soil to be used as backfill underneath the planned development is radiation free.

During NRC inspections conducted on March 29-30, 2011, January 9-12, 2012, and April 7-8, 2014, the inspectors noted that soil leaving radiologically controlled zones at Hunters Point, and the Hunters Point site itself, was remediated in accordance with approved site procedures.

7. (BB) believes that the NRC did not investigate his claims thoroughly enough.

Give CI NRC's IG contact info.

8. (b)(7)(C)

OI evaluated management's treatment of the CI.

From: R1ALLEGATION RESOURCE
Sent: Wednesday, May 28, 2014 6:00 PM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Bearde, Diane; Crisden, Cherie; Warnek, Nicole
Subject: FW: OFFICIAL USE ONLY - SENSITIVE INFORMATION: TT
Attachments: TTarbTrucks.docx; TTarbWater.docx; TTallegWater.docx; TTallegTruck.docx

From: Modes, Kathy
Sent: Wednesday, May 28, 2014 6:00:24 PM
To: R1ALLEGATION RESOURCE
Cc: Masnyk Bailey, Orysia
Subject: OFFICIAL USE ONLY - SENSITIVE INFORMATION: TT Auto forwarded by a Rule

I am acting for Marc Ferdas and am forwarding you the documents Orysia prepared based on the California news report.

Let Orysia and I know if you have any questions.

Thanks,
Kathy

Allegation Receipt Report

Date Received: 5/19/2014
Received via: [X] from an individual during a news report

Allegation No. RI-2014-A-0045

Employee Receiving Allegation: Orysia Masnyk Bailey

Source of information: [X] former licensee employee

Alleger Name: Bert Bowers
Cell Phone:

Work Address:
City/State/Zip:

Alleger's Employer:

Alleger's Position/Title: [X] Former Tetra Tech Radiation Technician

Facility: Hunters Point Naval Shipyard, San Francisco, CA License/Docket No.: 29-31396-01/03038199

Is it a declaration, statement, or assertion of impropriety or inadequacy? Yes
Is the impropriety or inadequacy associated with NRC regulated activities? Yes
Is the validity of the issue unknown? Yes

If NO to any of the above questions, the issue is not an allegation and should be handled by other appropriate methods (e.g. as a request for information, public responsiveness matter, or an OSHA referral).

Is there a potential immediate safety significant issue that requires an Ad-Hoc ARB? No

Was alleger informed of NRC identity protection policy? N/A
If H&I was alleged, was alleger informed of DOL rights? N/A
Did they raise the issue to their management and/or ECP? Unknown
Does the alleger object to having their issue(s) forwarded to the licensee? Unknown

Provide alleger's verbatim response to this question: _____

Was confidentiality requested? N/A
Was confidentiality initially granted? N/A
Individual Granting Confidentiality:

Allegation Summary:

Multiple concerns were described in the news report. All, but one concern for this Concerned Individual (CI), were closed in previous allegation files: RI-2011-A-0019, RI-2011-A-0113, and RI-2012-A-0022.

This new concern was brought to the NRC's attention through a California news report quoting the CI.

The CI stated that, in December 2010, when the project was supposed to be in the middle of a two-week shutdown, [he] took photos of what he describes as trucks and tanks hauling dirt and contaminated water from the Hunters Point Naval Shipyard through the streets of San Francisco and the Bay Area without being properly surveyed for radiation prior to exiting Hunters Point. [He] states that [he] detailed his findings in emails to Tetra Tech managers.

Functional Area: [X] Decommissioning Materials
Discipline For Concern: [X] Health Physics

Detailed Description of Allegation:

- 1) WHAT is the allegation? Failure to survey trucks leaving Hunters Point Naval Shipyard.
- 2) WHAT is the requirement/violation? 10 CFR 20.1501(a) and 10 CFR 20.1402
- 3) WHERE is it located? Hunters Point Naval Shipyard
- 4) WHEN did it occur? 2011
- 5) WHO is involved/witnessed? Tetra Tech local radiation safety officer
- 6) WHAT EVIDENCE can be examined? Tetra Tech records
- 7) WHAT is the status of the licensee's actions? Ongoing remediation/decommissioning
- 8) HOW/WHY did it occur? Not sure.
- 9) HOW did the alleged find out about the concern(s)? CI observed activity.
- 10) WHO ELSE can the NRC contact for additional information? Other Tetra Tech employees and State of California regulators/inspectors.
- 11) WHAT RECORDS can the NRC review? Tetra Tech records and procedures.
- 12) WHAT is the reason you have contacted the NRC? CI contacted news reporter.
- 13) WHAT is the alleged's preference for method and time of contact? Through CI attorney or in writing.

Copy of news report:

From: Screnci, Diane

Sent: Tuesday, May 20, 2014 8:27 AM

To: Urban, Richard

Subject: Assuming we can make them public allegers, now?

Taxpayers have spent nearly a quarter of a billion dollars on the toxic cleanup of Hunters Point, a prime piece of land along the southeastern shore of San Francisco. The former naval shipyard, which was once used as a research and testing lab for nuclear weapons, is now undergoing a renaissance. The city plans to turn the 800-acre site into a development mecca complete with new parks, retail stores and homes.

It is a massive project that's decades in the making, but two high-level former technicians with intimate knowledge of the remediation effort say the cleanup is being botched and that the health and safety of the public is at risk because of it. Both say they wouldn't live in or even visit the development planned for the site. In February, the Investigative Unit exposed that current workers also question the radiological cleanup of Hunters Point.

• Workers Allege Hunters Point Dirt Needs to be Screened for Radiation

"It's playing Russian Roulette with the health and wellbeing of the general public, the people that handle it, and the environment," said Bert Bowers, a former radiation safety officer hired by Tetra Tech, the Navy contractor overseeing the cleanup of Hunters Point. He was tasked with maintaining compliance with federal mandates relevant to radiation protection and the management of radioactive materials.

Bowers has worked at nuclear plants and radiological remediation sites across the country, and even worked as a radiation protection officer with the U.S. Department of Energy. He said compared to other projects, what he experienced at Hunters Point "was the most egregious violation of standard protocol" he had encountered in his 35-year career.

Bowers claims he witnessed violations including the improper storage of radiation detection devices and inadequate signage and barriers to keep the public away from potentially radioactive areas that hadn't been cleared.

"Someone from the general public could walk in, unabated, get it [contaminants] on their clothes, their person, eat the food," Bowers said. "They could have had an intake of radioactive contaminants and it would never have been caught or avoided."

In December 2010, when the project was supposed to be in the middle of a two-week shutdown, Bowers took photos of what he says are trucks and tanks hauling dirt and contaminated water from San Francisco and through the Bay Area without being tested for radiation or cleared for disposal. He

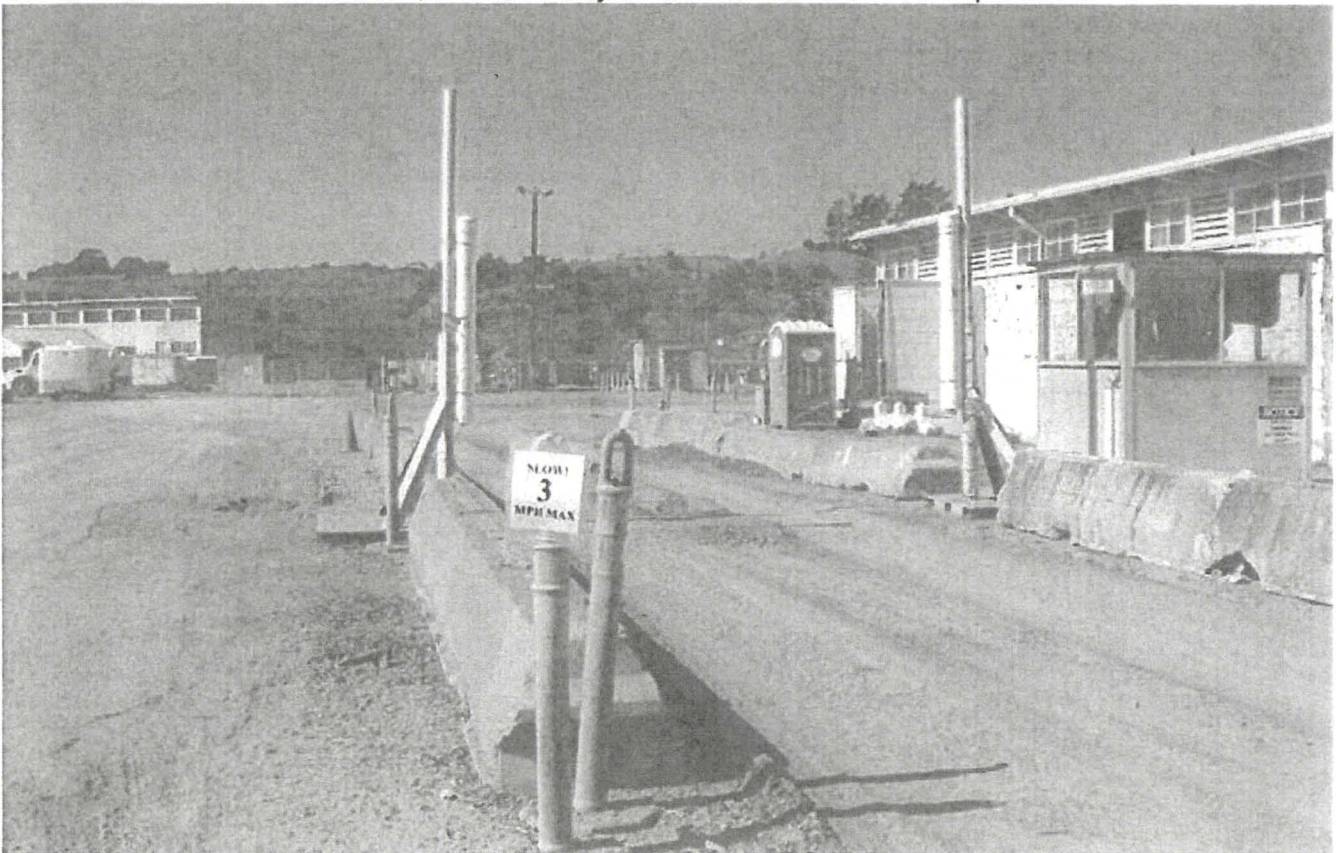
detailed his findings in emails to Tetra Tech managers.

"Those Baker Tanks were posted with radiological contents and radioactive water," Bowers said. "Surveys of water results had never come across my desk for release. Additionally, anything that leaves the site of that magnitude is supposed to go to a radiation detection device as part of a base wide procedure requirement established by the Navy."

He said company culture changed from one in which safety was paramount to one that favored production and cost-savings. Ultimately, Bowers said the public can't be confident that soil leaving Hunters Point and the remaining soil to be used as backfill underneath the planned development—is radiation-free.

"It's been botched," he said. "It's been botched."

Standard operating procedure dictates that before a truck leaves the job site it must pass through a "portal monitor" to get screened for radiological contamination. The sensors would determine whether the soil was clean or radioactive, and ultimately where the dirt was to be disposed of.



Portal monitor at Hunters Point.

Internal manuals obtained by the NBC Bay Area Investigative Unit show that the sensitivity of the portal monitor was decreased below the manufacturer's specifications. The "detector alarm set point" was raised to "8.5 deviations above background" in 2011 from the original "6 deviations above background" in 2008.

Susan Andrews, a radiation safety technician who worked at Hunters Point under Bowers, claims that change in protocol lowered the amount of radiation the portal monitor would detect.

"It says they are trying to get dirt out that's contaminated that should never have left Hunters Point," Andrews said. "It's not right. They can't be shipping potentially contaminated soil as clean landfill into the City of San Francisco. This can't be done."

Even with the decrease in the sensitivity of the portal monitor, Andrews said she documented trucks that left the site with potentially radioactive material that "never passed the portal monitor." She began

tracking the trucks that left Hunters Point in a logbook, which she shared with the Investigative Unit. According to her journal, in just one week in October 2011 more than 70 trucks "failed the portal monitor" but were still "released to go off site."

Both Andrews and Bowers say they witnessed other questionable behavior from the failure of workers to properly secure potentially radioactive areas from public access to the promotion of unqualified personnel to senior, safety-sensitive roles.

Andrews said she raised questions to one of her superiors but he told her to "hush up" and "take the money and go home when the project" is complete.

"I don't care where I live," Andrews said. "Wrongdoing is wrongdoing. We're all Americans. It shouldn't be done."

After sharing their concerns within the company, they took them to the Nuclear Regulatory Commission (NRC) and submitted 30 formal complaints between them to the agency.

The Investigative Unit obtained NRC reports that indicate regulators traveled to Hunters Point for three days in March 2011 and January 2012 to investigate Bowers' and Andrews' claims. The reports show that in each instance, inspectors were unable to substantiate the allegations.

- **Docs: How Trucks are Screened for Radiation at Hunters Point**

Bowers believes that the NRC did not investigate his claims thoroughly enough. Andrews says she feels betrayed by the NRC because she believed the agency has the authority to put a halt to the violations she says she witnessed.

"As an American, I believed in the NRC," she said. "I'm not so sure I believe in them anymore."

Shortly after Bowers reported his concerns to the NRC in January 2011, he lost his job with Tetra Tech. Andrews also lost her job after she contacted federal regulators in October 2011. Both claim it was retaliation.

Bowers and Andrews along with two other former workers at Hunters Point are suing Tetra Tech because they contend they were fired for raising concerns. Tetra Tech has filed an answer denying those allegations.

Both Tetra Tech and the NRC declined interview requests by the Investigative Unit. Navy representatives also declined interview requests saying it is "inappropriate for the Navy to comment on ongoing litigation between third parties."

[Read the Navy's statement here.](#)

When asked if they would live at Hunters Point in the future, both Bowers and Andrews responded that they believe the site can be cleaned up correctly eventually but the way it stands now, "absolutely not."

"I wouldn't go there, I wouldn't take my grandchildren there, I wouldn't walk my dog there," Andrews said. "It's a beautiful area and it can be beautiful once it's cleaned up, but it's not being cleaned up right."


From: R1ALLEGATION RESOURCE
Sent: Thursday, May 29, 2014 9:38 AM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Bearde, Diane; Crisden, Cherie; Warnek, Nicole
Subject: FW: revised to include more details
Attachments: TTallegTruck.docx; TTallegWater.docx; TTarbTrucks.docx; TTarbWater.docx

From: Modes, Kathy
Sent: Thursday, May 29, 2014 9:38:16 AM
To: R1ALLEGATION RESOURCE
Subject: revised to include more details
Auto forwarded by a Rule

THANK YOU!

Kathy Modes

Sr. Health Physicist
Decommissioning and Technical Support Branch
US NRC Region I DNMS
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713
phone: 610-337-5251
fax: 610-337-5269
email: kathy.modes@nrc.gov

 Please consider the environment before printing this e-mail.

From: R1ALLEGATION RESOURCE
Sent: Thursday, May 29, 2014 8:54 AM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Bearde, Diane; Crisden, Cherie; Warnek, Nicole
Subject: FW: Assuming we can make them public allegers, now?

From: Warnek, Nicole
Sent: Thursday, May 29, 2014 8:53:32 AM
To: R1ALLEGATION RESOURCE
Cc: Modes, Kathy
Subject: FW: Assuming we can make them public allegers, now?
Auto forwarded by a Rule

Sharon – for the file, for the new tetrtech allegations Kathy is going to be re-sending. The article was scrubbed by Orysia and 2 new concerns were identified.

Nicole S. Warnek

Allegation & Enforcement Specialist
Region I Office of the Regional Administraor
610-337-6954 (office)
(b)(6) cell)

From: Screnci, Diane
Sent: Tuesday, May 20, 2014 8:27 AM
To: Urban, Richard
Subject: Assuming we can make them public allegers, now?

PUBLIC

Taxpayers have spent nearly a quarter of a billion dollars on the toxic cleanup of Hunters Point, a prime piece of land along the southeastern shore of San Francisco. The former naval shipyard, which was once used as a research and testing lab for nuclear weapons, is now undergoing a renaissance. The city plans to turn the 800-acre site into a development mecca complete with new parks, retail stores and homes.

It is a massive project that's decades in the making, but two high-level former technicians with intimate knowledge of the remediation effort say the cleanup is being botched and that the health and safety of the public is at risk because of it. Both say they wouldn't live in or even visit the development planned for the site. In February, the Investigative Unit exposed that current workers also question the radiological cleanup of Hunters Point.

◦ **Workers Allege Hunters Point Dirt Needs to be Screened for Radiation**

"It's playing Russian Roulette with the health and wellbeing of the general public, the people that handle it, and the environment," said Bert Bowers, a former radiation safety officer hired by Tetra Tech, the Navy contractor overseeing the cleanup of Hunters Point. He was tasked with maintaining compliance with federal mandates relevant to radiation protection and the management of radioactive materials.

Bowers has worked at nuclear plants and radiological remediation sites across the country, and even worked as a radiation protection officer with the U.S. Department of Energy. He said compared to other projects, what he experienced at Hunters Point "was the most egregious violation of standard protocol" he had encountered in his 35-year career.

Bowers claims he witnessed violations including the improper storage of radiation detection devices and inadequate signage and barriers to keep the public away from potentially radioactive areas that hadn't been cleared.

"Someone from the general public could walk in, unabated, get it [contaminants] on their clothes, their person, eat the food," Bowers said. "They could have had an intake of radioactive contaminants and it would never have been caught or avoided."

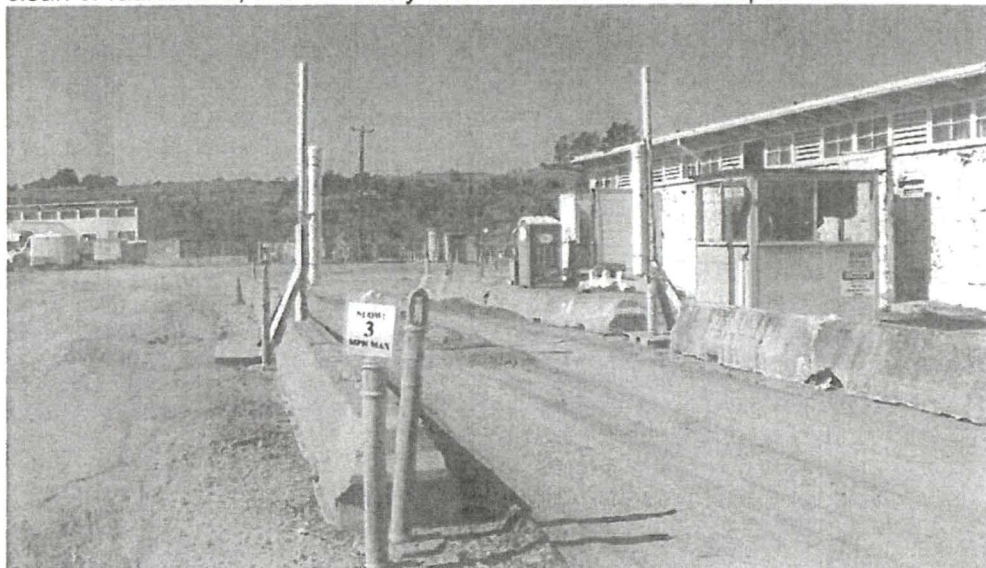
In December 2010, when the project was supposed to be in the middle of a two-week shutdown, Bowers took photos of what he says are trucks and tanks hauling dirt and contaminated water from San Francisco and through the Bay Area without being tested for radiation or cleared for disposal. He detailed his findings in emails to Tetra Tech managers.

"Those Baker Tanks were posted with radiological contents and radioactive water," Bowers said. "Surveys of water results had never come across my desk for release. Additionally, anything that leaves the site of that magnitude is supposed to go to a radiation detection device as part of a base wide procedure requirement established by the Navy."

He said company culture changed from one in which safety was paramount to one that favored production and cost-savings. Ultimately, Bowers said the public can't be confident that soil leaving Hunters Point and the remaining soil to be used as backfill underneath the planned development—is radiation-free.

"It's been botched," he said. "It's been botched."

Standard operating procedure dictates that before a truck leaves the job site it must pass through a "portal monitor" to get screened for radiological contamination. The sensors would determine whether the soil was clean or radioactive, and ultimately where the dirt was to be disposed of.



Portal monitor at Hunters Point.

Internal manuals obtained by the NBC Bay Area Investigative Unit show that the sensitivity of the portal monitor was decreased below the manufacturer's specifications. The "detector alarm set point" was raised to "8.5 deviations above background" in 2011 from the original "6 deviations above background" in 2008.

Susan Andrews, a radiation safety technician who worked at Hunters Point under Bowers, claims that change in protocol lowered the amount of radiation the portal monitor would detect.

"It says they are trying to get dirt out that's contaminated that should never have left Hunters Point," Andrews said. "It's not right. They can't be shipping potentially contaminated soil as clean landfill into the City of San Francisco. This can't be done."

Even with the decrease in the sensitivity of the portal monitor, Andrews said she documented trucks that left the site with potentially radioactive material that "never passed the portal monitor." She began tracking the trucks that left Hunters Point in a logbook, which she shared with the Investigative Unit. According to her journal, in just one week in October 2011 more than 70 trucks "failed the portal monitor" but were still "released to go off site."

Both Andrews and Bowers say they witnessed other questionable behavior from the failure of workers to properly secure potentially radioactive areas from public access to the promotion of unqualified personnel to senior, safety-sensitive roles.

Andrews said she raised questions to one of her superiors but he told her to "hush up" and "take the money and go home when the project" is complete.

"I don't care where I live," Andrews said. "Wrongdoing is wrongdoing. We're all Americans. It shouldn't be done."

After sharing their concerns within the company, they took them to the Nuclear Regulatory Commission (NRC) and submitted 30 formal complaints between them to the agency.

The Investigative Unit obtained NRC reports that indicate regulators traveled to Hunters Point for three days in March 2011 and January 2012 to investigate Bowers' and Andrews' claims. The reports show that in each instance, inspectors were unable to substantiate the allegations.

- **Docs: How Trucks are Screened for Radiation at Hunters Point**

Bowers believes that the NRC did not investigate his claims thoroughly enough. Andrews says she feels betrayed by the NRC because she believed the agency has the authority to put a halt to the violations she says she witnessed.

"As an American, I believed in the NRC," she said. "I'm not so sure I believe in them anymore."

Shortly after Bowers reported his concerns to the NRC in January 2011, he lost his job with Tetra Tech.

Andrews also lost her job after she contacted federal regulators in October 2011. Both claim it was retaliation.

Bowers and Andrews along with two other former workers at Hunters Point are suing Tetra Tech because they contend they were fired for raising concerns. Tetra Tech has filed an answer denying those allegations.

Both Tetra Tech and the NRC declined interview requests by the Investigative Unit. Navy representatives also declined interview requests saying it is "inappropriate for the Navy to comment on ongoing litigation between third parties."

[Read the Navy's statement here.](#)

When asked if they would live at Hunters Point in the future, both Bowers and Andrews responded that they believe the site can be cleaned up correctly eventually but the way it stands now, "absolutely not."

"I wouldn't go there, I wouldn't take my grandchildren there, I wouldn't walk my dog there," Andrews said. "It's a beautiful area and it can be beautiful once it's cleaned up, but it's not being cleaned up right."

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

From: Jarriel, Lisamarie
Sent: Tuesday, May 20, 2014 11:12 AM
To: Urban, Richard; Vito, David
Cc: R1ALLEGATION RESOURCE
Subject: RE: Assuming we can make them public allegers, now?

Ok.

Susan Andrews, and Bert Bowers can both be treated as widely known allegers for the specific concerns they raise below that they also raised to us. Let's discuss further any concerns not discussed in the article below that they may have also raised.

Btw, did they file discrimination concerns with us too?

LL Jarriel

-----Original Message-----

From: Urban, Richard
Sent: Tuesday, May 20, 2014 8:51 AM
To: Vito, David
Cc: R1ALLEGATION RESOURCE; Jarriel, Lisamarie
Subject: RE: Assuming we can make them public allegers, now?

They both are allegers.

-----Original Message-----

From: Vito, David
Sent: Tuesday, May 20, 2014 8:46 AM
To: Urban, Richard
Cc: R1ALLEGATION RESOURCE; Jarriel, Lisamarie
Subject: RE: Assuming we can make them public allegers, now?

I thought it was just one individual. Are both of the individuals named in the article Region I allegers?

If either or both of them are your allegér(s), then I would assume Lisa will agree that he/she/they are widely known with respect to this issue. Pretty sure she will be in shortly.

From: Urban, Richard
Sent: Tuesday, May 20, 2014 8:39 AM
To: Vito, David; Jarriel, Lisamarie
Cc: R1ALLEGATION RESOURCE
Subject: FW: Assuming we can make them public allegers, now?

I suppose now we can call them widely known allegers? We need to discuss actions going forward. When are you available for a call?

From: Screncl, Diane
Sent: Tuesday, May 20, 2014 8:27 AM
To: Urban, Richard

Subject: Assuming we can make them public allegers, now?

PUBLIC
ARTICLE

Taxpayers have spent nearly a quarter of a billion dollars on the toxic cleanup of Hunters Point<http://www.bracpmo.navy.mil/brac_bases/california/former_shipyard_hunters_point.html>, a prime piece of land along the southeastern shore of San Francisco. The former naval shipyard, which was once used as a research and testing lab for nuclear weapons, is now undergoing a renaissance. The city plans to turn the 800-acre site into a development<[http://www.oewd.org/media/docs/Joint%20Development/HPS-CP/Design%20for%20Development%20-%20Shipyard%20-%20Final\(66072528_1_low-res\).pdf](http://www.oewd.org/media/docs/Joint%20Development/HPS-CP/Design%20for%20Development%20-%20Shipyard%20-%20Final(66072528_1_low-res).pdf)> mecca complete with new parks, retail stores and homes.

It is a massive project that's decades in the making, but two high-level former technicians with intimate knowledge of the remediation effort say the cleanup is being botched and that the health and safety of the public is at risk because of it. Both say they wouldn't live in or even visit the development planned for the site. In February, the Investigative Unit exposed<<http://www.nbcbayarea.com/news/local/Workers-Allege-Hunters-Point-Dirt-Needs-to-be-Screened-for-Radiation-247689791.html>> that current workers also question the radiological cleanup of Hunters Point.

* Workers Allegé Hunters Point Dirt Needs to be Screened for Radiation<<http://www.nbcbayarea.com/news/local/Workers-Allege-Hunters-Point-Dirt-Needs-to-be-Screened-for-Radiation-247689791.html>>

"It's playing Russian Roulette with the health and wellbeing of the general public, the people that handle it, and the environment," said Bert Bowers, a former radiation safety officer hired by Tetra Tech<<http://www.tetratech.com/>>, the Navy contractor overseeing the cleanup of Hunters Point. He was tasked with maintaining compliance with federal mandates relevant to radiation protection and the management of radioactive materials.

Bowers has worked at nuclear plants and radiological remediation sites across the country, and even worked as a radiation protection officer with the U.S. Department of Energy. He said compared to other projects, what he experienced at Hunters Point "was the most egregious violation of standard protocol" he had encountered in his 35-year career.

Bowers claims he witnessed violations including the improper storage of radiation detection devices and inadequate signage and barriers to keep the public away from potentially radioactive areas that hadn't been cleared.

"Someone from the general public could walk in, unabated, get it [contaminants] on their clothes, their person, eat the food," Bowers said. "They could have had an intake of radioactive contaminants and it would never have been caught or avoided."

In December 2010, when the project was supposed to be in the middle of a two-week shutdown, Bowers took photos of what he says are trucks and tanks hauling dirt and contaminated water from San Francisco and through the Bay Area without being tested for radiation or cleared for disposal. He detailed his findings in emails to Tetra Tech managers.

"Those Baker Tanks were posted with radiological contents and radioactive water," Bowers said. "Surveys of water results had never come across my desk for release. Additionally, anything that leaves the site of that magnitude is supposed to go to a radiation detection device as part of a base wide procedure requirement established by the Navy."

He said company culture changed from one in which safety was paramount to one that favored production and cost-savings. Ultimately, Bowers said the public can't be confident that soil leaving Hunters Point and the remaining soil to be used as backfill underneath the planned development—is radiation-free.

"It's been botched," he said. "It's been botched."

Standard operating procedure dictates that before a truck leaves the job site it must pass through a "portal monitor" to get screened for radiological contamination. The sensors would determine whether the soil was clean or radioactive, and ultimately where the dirt was to be disposed of.

[cid:image001.jpg@01CF7405.477B11A0]<<http://media.nbcbayarea.com/images/DSC07206.jpg>>

Portal monitor at Hunters Point.

Internal manuals obtained by the NBC Bay Area Investigative Unit show that the sensitivity of the portal monitor was decreased below the manufacturer's specifications. The "detector alarm set point" was raised to "8.5 deviations above background" in 2011 from the original "6 deviations above background" in 2008.

Susan Andrews, a radiation safety technician who worked at Hunters Point under Bowers, claims that change in protocol lowered the amount of radiation the portal monitor would detect.

"It says they are trying to get dirt out that's contaminated that should never have left Hunters Point," Andrews said. "It's not right. They can't be shipping potentially contaminated soil as clean landfill into the City of San Francisco. This can't be done."

Even with the decrease in the sensitivity of the portal monitor, Andrews said she documented trucks that left the site with potentially radioactive material that "never passed the portal monitor." She began tracking the trucks that left Hunters Point in a logbook, which she shared with the Investigative Unit. According to her journal, in just one week in October 2011 more than 70 trucks "failed the portal monitor" but were still "released to go off site."

Both Andrews and Bowers say they witnessed other questionable behavior from the failure of workers to properly secure potentially radioactive areas from public access to the promotion of unqualified personnel to senior, safety-sensitive roles.

Andrews said she raised questions to one of her superiors but he told her to "hush up" and "take the money and go home when the project" is complete.

"I don't care where I live," Andrews said. "Wrongdoing is wrongdoing. We're all Americans. It shouldn't be done."

After sharing their concerns within the company, they took them to the Nuclear Regulatory Commission<<http://www.nrc.gov/>> (NRC) and submitted 30 formal complaints between them to the agency. The Investigative Unit obtained NRC reports that indicate regulators traveled to Hunters Point for three days in March 2011 and January 2012 to investigate Bowers' and Andrews' claims. The reports show that in each instance, inspectors were unable to substantiate the allegations.

* Docs: How Trucks are Screened for Radiation at Hunters

Point<<http://www.nbcbayarea.com/brchannel/How-Trucks-Are-Screened-For-Radiation-at-Hunters-Point-259873071.html>>

Bowers believes that the NRC did not investigate his claims thoroughly enough. Andrews says she feels betrayed by the NRC because she believed the agency has the authority to put a halt to the violations she says she witnessed.

"As an American, I believed in the NRC," she said. "I'm not so sure I believe in them anymore."

Shortly after Bowers reported his concerns to the NRC in January 2011, he lost his job with Tetra Tech.

Andrews also lost her job after she contacted federal regulators in October 2011. Both claim it was retaliation. Bowers and Andrews along with two other former workers at Hunters Point are suing Tetra Tech because they contend they were fired for raising concerns. Tetra Tech has filed an answer denying those allegations.

Both Tetra Tech and the NRC declined interview requests by the Investigative Unit. Navy representatives also declined interview requests saying it is "inappropriate for the Navy to comment on ongoing litigation between third parties."

Read the Navy's statement here.<<http://media.nbcbayarea.com/documents/NAVY+STATEMENT+HP.pdf>>

When asked if they would live at Hunters Point in the future, both Bowers and Andrews responded that they believe the site can be cleaned up correctly eventually but the way it stands now, "absolutely not."

"I wouldn't go there, I wouldn't take my grandchildren there, I wouldn't walk my dog there," Andrews said. "It's a beautiful area and it can be beautiful once it's cleaned up, but it's not being cleaned up right."

Diane Screnci
Sr. Public Affairs Officer
USNRC, RI
610/337-5330

OCT 14 2014

Ms. Susan Andrews

(b)(7)(C)

RI-2014-A-0046

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Ms. Andrews:

The NRC Region I Office has completed its follow up in response to a news article published on May 19, 2014, in which we identified one concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter restates your concern and describes our review and conclusions regarding that concern.

Allegations are an important source of information in support of the NRC's safety mission, and as such, we will continue to take our safety responsibility to the public seriously within the bounds of our lawful authority. We believe that our actions have been responsive. If, however, you can provide new information, or the NRC receives additional information from another source that suggests that our conclusion should be altered, we will evaluate that information to determine whether further action is warranted. Should you have any additional questions or if the NRC can be of further assistance in this matter, please call this office toll-free via the NRC Safety Hotline at 1-800-432-1156, extension 5222, between 7:30 a.m. and 4:15 p.m. EST, Monday through Friday, or contact me in writing at P.O. Box 80377, Valley Forge, PA 19484.

Sincerely,

Original Signed By:

Richard J. Urban
Senior Allegation Coordinator

Enclosure: As Stated

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

OFFICIAL RECORD COPY

(Ms. Susan Andrews)

Distribution:

Allegation File No. RI-2014-A-0046

DOCUMENT NAME: G:\ORAVALLEG\CLOSE\20140046clo.docx

Non-Public Designation Category: MD 3.4 Non-Public A.1

<input checked="" type="checkbox"/> SUNSI Review		<input type="checkbox"/> Non-Sensitive		<input type="checkbox"/> Publicly Available	
		<input checked="" type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Non-Publicly Available	
OFFICE	DNMS:NMSB3	ORA:SAC	<i>[Signature]</i>		
NAME	M Ferdas <i>MSF</i>	R Urban	<i>[Signature]</i>		
DATE	10/10/2014	10/14/2014			

OFFICIAL RECORD COPY

Concern:

You asserted that you tracked trucks leaving Hunters Point without being properly surveyed for radiation in a logbook. According to your logbook entry for a week in October 2011, you recorded more than 70 trucks had failed the portal monitor but were still released to go off-site without being properly surveyed.

Response to Concern:NRC Assessment

During an inspection conducted at the Hunters Point Naval Shipyard (HPNS) on July 21 - 22, 2014, an NRC inspector reviewed procedures and records and interviewed personnel familiar with activities that occurred in the 2011 time frame. In October 2011, the site procedure that governed the use of the vehicle portal monitor (VPM) was "Final Hunters Point Shipyard Project, Standard Operating Procedures, Gamma Screening of Trucks Using the Skid-Mounted Portal Monitor," Revision 3, dated December 3, 2008. The procedure required that the VPM be used to perform gamma radiation screening of trucks loaded with non-contaminated soils and debris prior to leaving HPNS. The procedure also required that, when a truck caused an alarm or "failed" the VPM screening, it needed to be sent through the VPM a second time. If a second alarm was received, the truck and its contents were subjected to a manual survey using a hand held survey instrument.

Based on a review of records, the inspector determined that in October 2011, 110 trucks received second alarms and required a manual survey. In addition to performing a manual survey, Attachment 1, "Radiological Truck Survey Form for Portable Instrument," of the above referenced procedure was completed. The attachment required the following information to be recorded: date, time, truck identification, survey instrument (model number, serial number, calibration due date, and background), locations surveyed, and survey results. The inspector reviewed these records and confirmed that 109 trucks were released in October 2011, after a manual survey was performed and release requirements were met. One truck did not successfully pass the manual survey and was returned to the site to have its contents (soil) searched. A radium-226 device was subsequently identified and removed. The inspector determined that the licensee appeared to be following their internal procedures for the release of trucks from HPNS, and there was no indication that trucks were released from the site inappropriately.

NRC Conclusion

Based on the above, the NRC was unable to substantiate your concern that more than 70 trucks were released from HPNS without being properly surveyed. Although 110 trucks failed the initial portal monitor survey, they were all subsequently manually surveyed with a hand held instrument in accordance with procedures.

~~OFFICIAL RECORD COPY~~



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

OCT 14 2014

Ms. Susan Andrews

RI-2014-A-0046

(b)(7)(C)

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Ms. Andrews:

The NRC Region I Office has completed its follow up in response to a news article published on May 19, 2014, in which we identified one concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter restates your concern and describes our review and conclusions regarding that concern.

Allegations are an important source of information in support of the NRC's safety mission, and as such, we will continue to take our safety responsibility to the public seriously within the bounds of our lawful authority. We believe that our actions have been responsive. If, however, you can provide new information, or the NRC receives additional information from another source that suggests that our conclusion should be altered, we will evaluate that information to determine whether further action is warranted. Should you have any additional questions or if the NRC can be of further assistance in this matter, please call this office toll-free via the NRC Safety Hotline at 1-800-432-1156, extension 5222, between 7:30 a.m. and 4:15 p.m. EST, Monday through Friday, or contact me in writing at P.O. Box 80377, Valley Forge, PA 19484.

Sincerely,

A handwritten signature in cursive script, appearing to read "Richard J. Urban".

Richard J. Urban
Senior Allegation Coordinator

Enclosure: As Stated

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Concern:

You asserted that you tracked trucks leaving Hunters Point without being properly surveyed for radiation in a logbook. According to your logbook entry for a week in October 2011, you recorded more than 70 trucks had failed the portal monitor but were still released to go off-site without being properly surveyed.

Response to Concern:NRC Assessment

During an inspection conducted at the Hunters Point Naval Shipyard (HPNS) on July 21 - 22, 2014, an NRC inspector reviewed procedures and records and interviewed personnel familiar with activities that occurred in the 2011 time frame. In October 2011, the site procedure that governed the use of the vehicle portal monitor (VPM) was "Final Hunters Point Shipyard Project, Standard Operating Procedures, Gamma Screening of Trucks Using the Skid-Mounted Portal Monitor," Revision 3, dated December 3, 2008. The procedure required that the VPM be used to perform gamma radiation screening of trucks loaded with non-contaminated soils and debris prior to leaving HPNS. The procedure also required that, when a truck caused an alarm or "failed" the VPM screening, it needed to be sent through the VPM a second time. If a second alarm was received, the truck and its contents were subjected to a manual survey using a hand held survey instrument.

Based on a review of records, the inspector determined that in October 2011, 110 trucks received second alarms and required a manual survey. In addition to performing a manual survey, Attachment 1, "Radiological Truck Survey Form for Portable Instrument," of the above referenced procedure was completed. The attachment required the following information to be recorded: date, time, truck identification, survey instrument (model number, serial number, calibration due date, and background), locations surveyed, and survey results. The inspector reviewed these records and confirmed that 109 trucks were released in October 2011, after a manual survey was performed and release requirements were met. One truck did not successfully pass the manual survey and was returned to the site to have its contents (soil) searched. A radium-226 device was subsequently identified and removed. The inspector determined that the licensee appeared to be following their internal procedures for the release of trucks from HPNS, and there was no indication that trucks were released from the site inappropriately.

NRC Conclusion

Based on the above, the NRC was able unable to substantiate your concern that more than 70 trucks were released from HPNS without being properly surveyed. Although 110 trucks failed the initial portal monitor survey, they were all subsequently manually surveyed with a hand held instrument in accordance with procedures.

From: Urban, Richard
Sent: Thursday, October 09, 2014 2:09 PM
To: Urban, Richard
Subject: FW: RI-2014-A-0045 *sensitive allegation information - do not disclose*
Attachments: 20140045clo.docx; 20140046clo.docx

From: R1ALLEGATION RESOURCE
Sent: Thursday, October 09, 2014 1:35 PM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Crisden, Cherie; Warnek, Nicole
Subject: FW: RI-2014-A-0045 *sensitive allegation information - do not disclose*

From: Warnek, Nicole
Sent: Thursday, October 09, 2014 1:34:39 PM
To: Masnyk Bailey, Orysia
Cc: Ferdas, Marc; R1ALLEGATION RESOURCE
Subject: RI-2014-A-0045 *sensitive allegation information - do not disclose*
Auto forwarded by a Rule

Hi Orysia,

I have a short-turnaround item I need your help with. The closure letter for allegation 2014-A-0045 is due next Thursday (10/16). I need some additional information from you to fully close the allegation. Can you review the attached and answer the highlighted questions?

(b)(5) st


If you have any questions please call. Otherwise, we need the input by COB Tuesday to support the closure letter going out on Thursday.

I also attached -0046 so you can see the changes I made to that letter.

Thank you!

Nikki

Nicole S. Warnek
Allegation & Enforcement Specialist
Region I Office of the Regional Administrator
610-337-6954 (office)

(b)(6) (cell) 

Concern:

(b)(5)

Response to Concern:

NRC Assessment

(b)(5)

NRC Conclusion

(b)(5)

JUN 16 2014

Ms. Susan Andrews

(b)(5)

RI-2014-A-0046

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Ms. Andrews:

This letter refers to a news article published on May 19, 2014, in which you raised several concerns regarding Hunters Point. Based on our review of the article, we have determined that the NRC previously addressed and closed most of the concerns you raised. However, we have identified one new concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter documents our understanding of your concern. If the description of your concern as documented in the enclosure is not accurate, please contact me so that we can assure it is appropriately described prior to the completion of our review.

We have initiated actions to examine your concern. The NRC normally completes evaluations of technical concerns within six months, although complex issues may take longer. However, after evaluating the information in the news article, we have determined that we would benefit from additional information in order to perform a more effective review of your concern. The information being requested is noted in the enclosure. If you can provide the requested information, please contact this office within 10 days of receipt of this letter. If no additional information is received within 10 days, we will proceed with our review based on the information currently available. Additionally, we plan to conduct an on-site visit to Hunters Point later this summer. If you have additional concerns that you have not previously raised to the NRC, please contact us as soon as possible so we can ensure timely review and follow-up.

Typically the NRC takes all reasonable efforts not to disclose an alleged's identity to any organization, individual outside the NRC, or the public. However, as previously described in our letter to you dated June 2, 2014 (regarding Allegation RI-2011-A-0113), because you notified the news media of your concerns, we could not protect your identity as the source of those concerns. Similarly, because your current concern appeared in a news article, we cannot protect your identity as the source of this concern.

Enclosed with this letter is a brochure entitled "Reporting Safety Concerns to the NRC," which includes an important discussion of the identity protection provided by the NRC as well as those circumstances that limit the NRC's ability to protect an alleged's identity. Please read that section of the brochure. The brochure also contains information that you may find helpful in understanding our process for reviewing safety concerns.

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

~~OFFICIAL RECORD COPY~~

We will advise you when we have completed our review. Should you have any additional questions, or if the NRC can be of further assistance in this matter, please call this office toll-free via the NRC Safety Hotline at 1-800-432-1156, extension 5222, between 7:30 a.m. and 4:15 p.m. EST, Monday through Friday, or contact me in writing at P.O. Box 80377, Valley Forge, PA 19484. You may also communicate with us by e-mail if you so choose. Please be advised that the NRC cannot protect the information during transmission on the Internet and there is a possibility that someone could read your response while it is in transit. The e-mail address for the Region I Allegations Office is R1Allegations.Resource@nrc.gov.

Sincerely,

Original Signed By:

Richard J. Urban
Senior Allegation Coordinator

Enclosures: As Stated

~~OFFICIAL RECORD COPY~~

Ms. Susan Andrews

3

RI-2014-A-0046

Distribution:

Allegation File No. RI-2014-A-0046

DOCUMENT NAME: G:\ORAVALLEGVACK\20140046ack.docx

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

OFFICE	DNMS:BC	RI:SAC					
NAME	MFerdas <i>WCA for</i>	R Urban <i>R/U</i>					
DATE	06/12/2014	06/16/2014					

OFFICIAL RECORD COPY

Concern:

You asserted that you tracked trucks leaving Hunters Point without being properly surveyed for radiation in a logbook. According to your logbook entry for a week in October 2011, you recorded more than 70 trucks had failed the portal monitor but were still released to go off-site without being properly surveyed.

Additional Information Request:

Please inform us whether the trucks were hand scanned after the portal monitor alarmed. This information would help us focus our assessment and allow us to conduct a more effective review of your concern.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD.
KING OF PRUSSIA, PA 19406-2745

JUN 16 2014

Ms. Susan Andrews

RI-2014-A-0046

(b)(5)

Subject: Concern You Raised Regarding the Hunters Point Naval Shipyard

Dear Ms. Andrews:

This letter refers to a news article published on May 19, 2014, in which you raised several concerns regarding Hunters Point. Based on our review of the article, we have determined that the NRC previously addressed and closed most of the concerns you raised. However, we have identified one new concern under NRC regulatory jurisdiction related to radiological controls. Enclosure 1 to this letter documents our understanding of your concern. If the description of your concern as documented in the enclosure is not accurate, please contact me so that we can assure it is appropriately described prior to the completion of our review.

We have initiated actions to examine your concern. The NRC normally completes evaluations of technical concerns within six months, although complex issues may take longer. However, after evaluating the information in the news article, we have determined that we would benefit from additional information in order to perform a more effective review of your concern. The information being requested is noted in the enclosure. If you can provide the requested information, please contact this office within 10 days of receipt of this letter. If no additional information is received within 10 days, we will proceed with our review based on the information currently available. Additionally, we plan to conduct an on-site visit to Hunters Point later this summer. If you have additional concerns that you have not previously raised to the NRC, please contact us as soon as possible so we can ensure timely review and follow-up.

Typically the NRC takes all reasonable efforts not to disclose an allegor's identity to any organization, individual outside the NRC, or the public. However, as previously described in our letter to you dated June 2, 2014 (regarding Allegation RI-2011-A-0113), because you notified the news media of your concerns, we could not protect your identity as the source of those concerns. Similarly, because your current concern appeared in a news article, we cannot protect your identity as the source of this concern.

Enclosed with this letter is a brochure entitled "Reporting Safety Concerns to the NRC," which includes an important discussion of the identity protection provided by the NRC as well as those circumstances that limit the NRC's ability to protect an allegor's identity. Please read that section of the brochure. The brochure also contains information that you may find helpful in understanding our process for reviewing safety concerns.

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Concern:

You asserted that you tracked trucks leaving Hunters Point without being properly surveyed for radiation in a logbook. According to your logbook entry for a week in October 2011, you recorded more than 70 trucks had failed the portal monitor but were still released to go off-site without being properly surveyed.

Additional Information Request:

Please inform us whether the trucks were hand scanned after the portal monitor alarmed. This information would help us focus our assessment and allow us to conduct a more effective review of your concern.

**ALLEGATION REVIEW BOARD DISPOSITION RECORD
ARB MINUTES ARE REVIEWED AND APPROVED BY THE ARB CHAIR**

Allegation No.: RI-2014-A-0046

Branch Chief (AOC): Ferdas

Site/Facility: Hunters Point Naval Shipyard, San Francisco, CA (Navy BRAC site)**Acknowledged:** No

ARB Date: June 4, 2014

Confidentiality Granted: N/A

Concern Discussed: Multiple concerns were described in the news report. All, but one concern for this Concerned Individual (CI), were closed in previous allegation files: RI-2011-A-0019, RI-2011-A-0113, and RI-2012-A-0022. This concern was brought to the NRC's attention through a California news report quoting the CI.

The CI stated during the news cast that she tracked trucks leaving Hunters Point Naval Shipyard without being properly surveyed for radiation in a logbook. According to her logbook entry for a week in October 2011, the CI recorded more than 70 trucks had failed the portal monitor but were still released to go off-site without being properly surveyed.

Does allegor object to providing concerns to the licensee via an RFI? N/A

ALLEGATION REVIEW BOARD ATTENDEES

Chair: Marshall **Branch Chief:** Hammann **SAC:** Urban **OI:** (b)(7)(C) **RI Counsel:** Klukan
Others: Masnyk Bailey, Richard Chang HQ, Stephen Lloyd, HQ, Warnek, Clifford

DISPOSITION METHOD (See Attached RFI Worksheet, If Applicable)

RFI _____ Inspection Investigation _____ N/A _____

DISPOSITION ACTIONS

1. Acknowledgment Letter to CI. (Ask if trucks were hand scanned after portal monitor alarmed.)

Responsible Person: Urban
Closure Documentation:

ECD: June 18, 2014
Completed:

2. Perform inspection at Hunters Point Naval Shipyard with focus on truck surveys; coordinate with California and document inspection. The inspection is tentatively scheduled for the week of July 21, 2014.

Responsible Person: Ferdas
Closure Documentation:

ECD: August 20, 2014
Completed:

SAFETY CONCERN: Potential for contaminated soil to have left Hunters Point Naval Shipyard dispersed to public landfills.

PRIORITY OF OI INVESTIGATION:

RATIONALE USED TO DEFER OI DISCRIMINATION CASE:

NOTES:

Trucks leaving Hunters Point Naval Shipyard have to exit via a radiation portal monitor. If the radiation portal monitor alarms, the contents of the truck are hand surveyed in accordance with a Tetra Tech procedure. The inspector will review these survey records and interview personnel. In addition, the inspector will request any and all records from the Navy for their site visits to Hunters Point Naval Shipyard to verify if the Navy also reviewed truck surveys.

DISTRIBUTION: Panel Attendees, Regional Counsel, OI, Responsible Persons

Urban, Richard

From: Urban, Richard
Sent: Thursday, May 29, 2014 4:30 PM
To: Urban, Richard
Subject: FW: revised to include more details
Attachments: TTallegTruck.docx; TTallegWater.docx; TTarbTrucks.docx; TTarbWater.docx


From: R1ALLEGATION RESOURCE
Sent: Thursday, May 29, 2014 9:38 AM
To: Urban, Richard; Johnson, Sharon; McLaughlin, Marjorie; Bickett, Brice; Bearde, Diane; Crisden, Cherie; Warnek, Nicole
Subject: FW: revised to include more details

From: Modes, Kathy
Sent: Thursday, May 29, 2014 9:38:16 AM
To: R1ALLEGATION RESOURCE
Subject: revised to include more details
Auto forwarded by a Rule

THANK YOU!

Kathy Modes

Sr. Health Physicist
Decommissioning and Technical Support Branch
US NRC Region I DNMS
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713
phone: 610-337-5251
fax: 610-337-5269
email: kathy.modes@nrc.gov

 Please consider the environment before printing this e-mail.

**CONCERNS
REGARDING
TETRA TECH , INC., AT
THE HUNTERS POINT
DECOMMISSIONING
PROJECT**

Submitted by: Elbert G. Bowers

Submittal date: April 26, 2011

MEMORANDUM

To: Mr. Richard Urban, Nuclear Regulatory Commissions, Senior Allegation Coordinator

From: Bert Bowers, Tetra Tech, Radiation Safety Officer

Date: April 26, 2011

Subject: Concerns Regarding Tetra Tech, INC., at the Hunters Point Decommissioning Project

Mr. Urban,

In reference to the subject line above - and as detailed in the most recent email to you dated April 12, 2011, enclosed is a cross section of supplemental information which should help further identify circumstances which have occurred during the course of 2010 (and early 2011) and which I feel have contributed significantly to the unanticipated events with my employer as they unfolded beginning January 12, 2011 to present.

To summarize the information within, I feel it important to emphasize that every effort has been made during the course of my Hunters Point RSO tenure to adhere to job title expectations / obligations as detailed by Mr. Carl J. Paperiello in his publication titled *So You're the New RSO!*

While radiological contaminants identified at the project site would in general be best categorized as "residual trace amounts", there's nevertheless remained the personal commitment to emphatically emphasize the expectation of "conscientiously correct" work practice approaches from the management level down to the front line worker. In particular for anyone associated with an intrusive activity - and most importantly that conducted in a site location identified by the Navy's Historical Radiological Assessment document as "impacted". Accordingly, when administering radiological orientation and awareness reviews to visitors, VIP's, and general site staff, the reminder has been repeatedly emphasized that all should fully appreciate potential hazards associated with defined radionuclides of concern. Specifically, the rationale behind the existing system of "checks and balances" used to ensure that no one is subjected to unnecessary risk. Such efforts over the course of eight plus "project years" have generally proved successful. Representatives within the Navy appear comfortable and understanding of the philosophy behind the views presented and controls established. However, since beginning employment at the site through Tetra Tech in 2009, the single most "detrimental" obstacle that's encountered involves person's who align themselves purely with a construction driven "mentality". The idea of incorporating without prior discussion concepts that may commonly exist on a traditional construction site but which simply do not go "hand in hand" with what's expected on a radiological project. Upon discovery, such "flags" traditionally relate to time critical issues (and likely as driven by the type of contract in effect with the Navy). Often times, such "flags" conflict with the recommended "mindset" provided during RAD review orientations - the need to remember that "what may take 15 minutes to do in your world of expertise, will probably take 25-30 minutes in the RAD world... not to hold you up or upset you, but to ensure through periodic checks and verifications the

continued safety of the environment, the general public, and the work force". Progressively, each "flag" has tended to indicate what appears to be a systematic breakdown in "conscientious" communication.

The year 2010 began as planned with traditional dosimetry change outs and the posting of "Project RSO Representative" and "Authorized User" documentation (reference 1), etc. However, on into the year after repeated RAD field staff and supervisory reminders to walk down active work areas to ensure RAD safety integrity at shifts end, discrepancies and findings nevertheless increased in frequency. As a result, the (b)(7)(C) in Norfolk, Virginia was repeatedly updated during routine calls on growing "culture concerns" of a declining nature. The Tetra Tech (b)(7)(C) were personally briefed as well. I began to sense a growing concern for the RAD supervisory staff as a whole (and ultimately the RAD field technicians as a group) and their ability to not cave in solely to construction driven priorities/mindsets but "stand behind the license" as critical field based "eyes and ears" – to do tasks and assignments "right the first time". "Read and Sign" documents addressing "Project Specific Reference / Guidance Documents for the Conduct of Radiologically Based Tasks" (reference 9) and "Collection of 'Beta/Gamma; Static Measurements (and Representative Background Data)" (reference 10) were issued, in part, to continuously emphasize the need to report discrepancies/concerns. (Additionally, the above documents were supplemented with RASO generated position views as detailed in reference 11 and as related to site areas of responsibility subject to Tetra Tech's NRC issued license).

During shift and/or prior to leaving site for the day (usually 1 hour after quitting time for the field hands), I would routinely complete an end-of-day RAD integrity field check. Discrepancies were commonly observed / corrected which often times appeared avoidable – assuming end-of-day RAD checks were being performed by the field hands (references 2, 3, 4, 5, 6, 7, 14, 18, 25 and 30). RAD integrity field checks conducted throughout the day also revealed escalating discrepancies associated with other licensees – and of a nature which resulted in calls to my office from observant field hands voicing concern (and subsequent corrective actions involving site RSO Representatives, the Tetra Tech (b)(7)(C), and/or RASO - and as captured in references 8, 12, 15, and 22). In summary from the position of (b)(7)(C) all of the escalating "challenges" appeared to involve communication deficiencies and a chosen lack of simple interface by specific RAD supervisors within reliable and expected time intervals. Indications of "resistance" to expected RAD protocol appeared to be reflected even more by graffiti discovered on the project RSO's vehicle during the last quarter of 2010 (references 13 and 21).

In the latter part of the year toward scheduled holiday stand downs, increased "response incidents" resulting from trespassers, vandalism, and storm effects occurred and often times required interface with representatives of the Navy and/or internal and external entities. Discrepancies involving "Baker" tank and "scrap metal" bin activities conducted without first confirming through the project RSO any need for RAD support (i.e., use of portal monitor screening as preferred by RASO) were likewise identified/reported over the course of the stand down (references 19, 20, and 25). In parallel, coordination specific to the 2011 dosimetry monitoring program was underway (and the securing of a new service vendor per reference 16); as was the scheduling of RAD support needs for external entities leading up to (and during) the stand down and including the new year (references 17, 22, and 24).

Field activities resumed after the holiday stand down and progressed smoothly through January 12, 2011, (references 26, 27, and 29) as did the fulfilling of commitments to outside entities (reference 28). However, events beginning the morning of January 13, 2011 signaled – most importantly to me - a significantly negative change at the project management level and a defiant, confrontational attitude displayed by a RAD field supervisor (as described in the contents of references 32 and 33). Shortly thereafter, the (b)(7)(C) was notified of the events and my personal intent to internally address / resolve existing issues. The (b)(7)(C) arrived in San Francisco from Norfolk, VA and was at Hunters Point the following Monday. A drive through of the project site was conducted with the (b)(7)(C) during the early morning hours of Monday, January 17, 2011. Upon its completion, the (b)(7)(C) was asked directly to play “devil’s advocate” and “punch holes” in my mindset / line of thinking on the morning of January 13th - nothing erroneous was noted. (It was also during this timeframe that the incident detailed in reference 30 was identified.) At that time, the (b)(7)(C) confirmed that – contrary to first addressing/investigating the “issues at hand” internally, the Tetra Tech (b)(7)(C) had already informed Corporate HR of his actions as well as RASO – his exact words at that time were “I can’t believe he did that” . I replied that I was upset as a result but would continue to attempt resolution of existing issues through internal avenues until/unless advised otherwise. That same morning (as a result of the hostile, threatening environment experienced when last there per reference 33), I was able to access my office while in the presence of the (b)(7)(C) to safely retrieve my laptop for use from home. I then left the project for my temporary California residence. Later the following day I received the request from the (b)(7)(C) as detailed in reference 31.

The following day (Tuesday, January 18, 2011) and upon the advice of the (b)(7)(C), I attempted to contact – and later heard from the Tetra Tech (b)(7)(C) as described in reference 34 (i.e., for the first time since the events of January 13, 2011 as detailed in reference 33). That same day I received electronic correspondence from Hunters Point field administration that my name had been removed from the weekly Navy NAVFAC/Tetra Tech meeting roster. Another notification came later that I was also removed from the project phone list. Later in the week I met with the (b)(7)(C) at the project site in my office to discover all cabinets and furniture with locks had been breached and the integrity of corresponding “lock and key” items compromised (reference 35).

I continued to work from my temporary California residence the rest of the week (January 17-21, 2011). During that time I received calls from project technical staff voicing license based concerns. I posed the question, “who is defined on the ‘Right to Know’ posting board as the [HPS RSO representative] as well as “what’s the ‘after hours’ contact phone number listed on the Tetra Tech project RAD signs in the field”? I was informed that in both instances the designated person remained me and re-confirmed as such prior to a scheduled meeting with the (b)(7)(C) and (b)(7)(C) in my office on Friday, January 21, 2011. Upon the day of that meeting (~0915 hrs), the name of the project RSO representative had been changed on the ‘Right to Know’ posting board to (b)(7)(C) and the document backdated to reflect an effective date of January 18, 2011 (reference 36); all of the observed project RAD field signs still continued to reflect my personal “after hours” contact number. I was later informed by the (b)(7)(C) of the existing need for me to provide support at Alameda. I asked if that assignment was a condition of employment at which point I was told “no”. I then asked if – after the Alameda assignment – I would be considered for re-assuming my original role at

Hunters Point at which point I was told I would. I agreed as such as a sign of good faith and in support of what all referred to as a "cooling off period". Later that same day, I re-confirmed with project technical staff the posting which now addressed (b)(7)(C) as project RSO representative. I received the adamant reply that my name was reflected as such earlier the morning of January 21, 2011. Later that same day I met again (after hours) with the (b)(7)(C) at Hunters Point. He seemed somewhat weary and resigned to himself. He suggested that I take the position at Alameda and move on from Hunters Point. He then suggested that I could "work out of Alameda" and "act as a mentor for Hunters Point and any other projects that might kick off". Somewhat surprised, I questioned why the change in position. I was essentially answered with words to the effect that "ultimately, construction management decides who stays and who goes on a project". I promptly advised of my opposition to that position; then followed with the direct question of "what did I do wrong"? The response as he shrugged his shoulders was "I don't know, some of the Sup's say you got into an argument with them". I replied with "that's simply not true... I called that meeting to discuss a communication concern involving Authorized User's... it didn't even last 2-3 minutes.... there wasn't even enough time for an argument... it was (b)(7)(C) who was all of a sudden shouting... even while in the presence of the (b)(7)(C) .. and (b)(7)(C) let him keep on doing it... and then he said he could arrange to have my name removed from the license" Again the (b)(7)(C) shrugged his shoulders in what appeared to be a defeated gesture and at which point I realized continuing the conversation was fruitless.

On arrival at Alameda for the first week of my assignment, I was furnished an outline titled Bert Bowers Goals at Alameda Project (reference 38). For the first time I observed an indication that I am apparently being presented as prone to arguments (line 9 in reference 38). However, I was not required to sign the document and therefore chose not to object any of its contents – again in a good faith effort to move forward. I was also informed at that time of my title as supervisor and my direct report being the Alameda RSO representative. While at Alameda, I continued to attempt mentor follow-up at Hunters Point as suggested by the (b)(7)(C) through phone call attempts then direct email (reference 39). I then began to focus on the remaining goals defined for me at Alameda including the establishment of new working relationships (reference 40). During my time at Alameda, it was announced that during the week of March 28 through April 1, 2011, the NRC would be conducting inspections at both Hunters Point and Alameda. It was during that week that I was interviewed by inspectors (b)(7)(C). The day following the NRC interview, I received a call from the (b)(7)(C). He advised that funding for my role at Alameda was no longer available and at close of business on April 1, 2011 my assignment there would end as would corresponding per diem benefits. I promptly followed up the conversation with an email to him and the (b)(7)(C) confirming the same (reference 41). Turnovers and advisement that my role would be completed by week's end were distributed (references 42, 43, 44, 45 and 49) and feedback received (reference 46). I also followed up with the (b)(7)(C) regarding the status of my role at Hunters Point and received the response as detailed in reference 47. Steps for retrieving a copy of an "all inclusive" Alameda assignment letter were also pursued (reference 48).

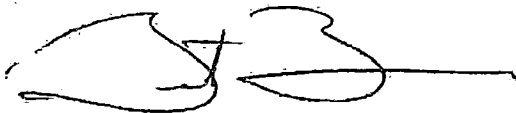
Since completing my assignment at Alameda, on April 1, 2011, I have been directed to draw upon my earned "time off with pay" account. I have since returned my project assigned vehicle. As detailed in reference 50, Hunters Point RAD signs posted in the field no longer reflect my "after hours" contact

numbers (or anyone else's), but instead direct one to use the direct line to the Terra Tech switchboard (a number which is not manned after hours).

In closing, the photos provided within were originally intended for use as "lessons learned" examples to be used during training presentations, performance reviews, etc. I personally believe that Tetra Tech is comprised of good, well intentioned persons through all ranks and levels. While a select few – as with other organization worked with on occasion in the past - may likely find it to their advantage to better understand the expectations and seriousness associated with a NRC license, I feel all are generally receptive to correction and in doing what's right in the final analysis.

As always, feel free to contact me if additional information or feedback is needed to fill in any identified gaps, etc. I look forward to hearing from you after your review of the material provided.

Regards,



Bert Bowers, Radiation Safety Officer Representative

Direct: / Main: 864.483.1789 / Alternate:



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 30, 2011

Mr. Elbert Bowers

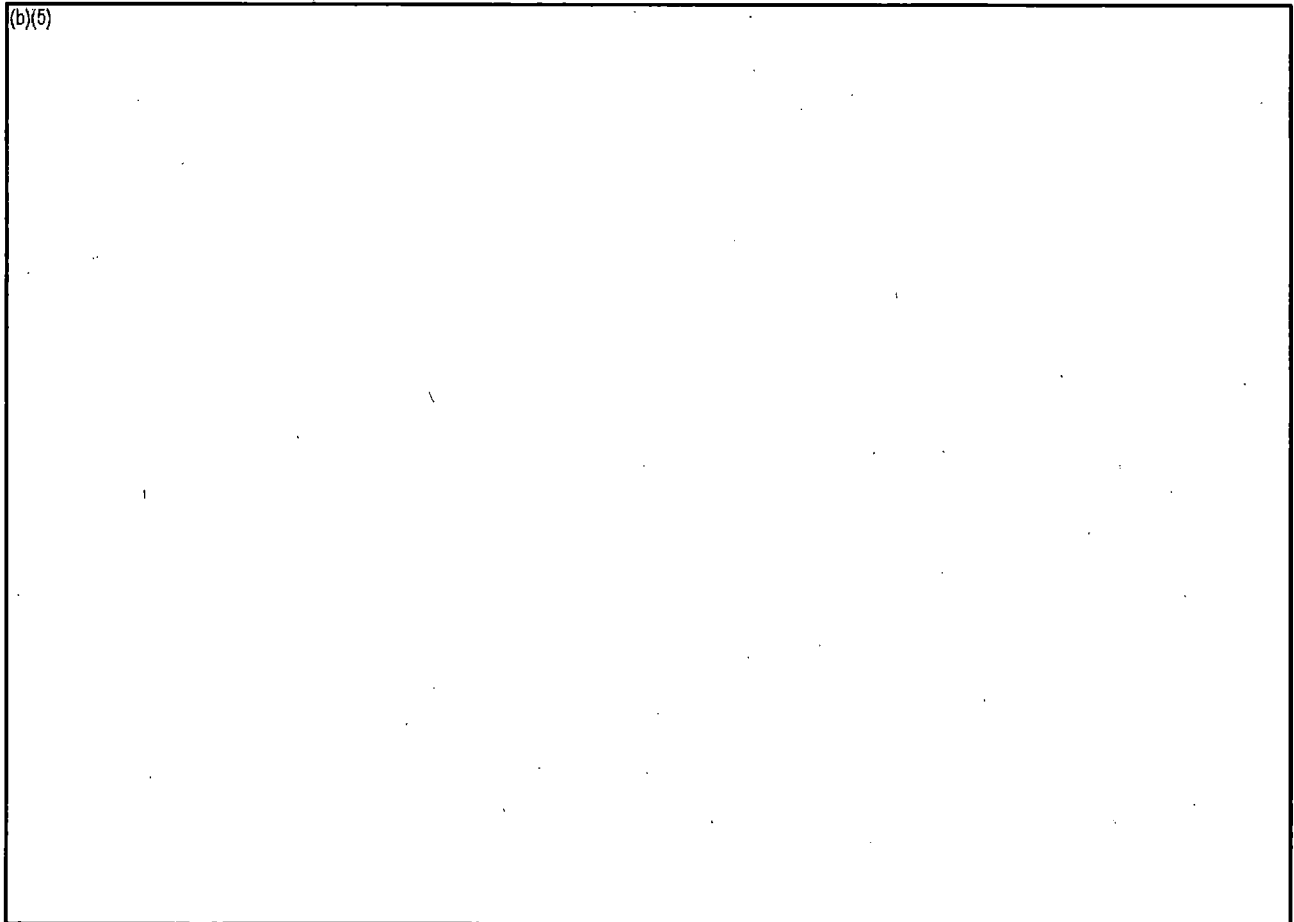
RI-2011-A-0019

(b)(7)(C)

Subject: Concerns You Raised to the NRC Regarding Tetra Tech, Inc., at the Hunters
Point Decommissioning Project

Dear Mr. Bowers:

(b)(5)



From: (b)(7)(C)
Date: Tue, 12 Apr 2011 22:59:23 EDT
Subject: Re: FW: Your Concerns
To: Richard.Urban@nrc.gov
CC: jjn@nrc.gov

Mr. Urban,

Thank you for resending the NRC email dated March 30, 2011 and specific to the following subject title:

"Concerns You Raised to the NRC Regarding Tetra Tech, Inc., at the Hunters Point Decommissioning Project" (RI-2011-A-0019)

As discussed by phone during our last conversation, the original "send attempt" was apparently a casualty of an AOL spam function as I do not recall having ever received it.

Regarding the aforementioned email (and as requested), I have completed a review of the information within - including that as detailed in "Enclosure 1". Accordingly, attached is my markup of the entire document subsequent to the review. Resulting comments, corrections, and clarifications pertinent to the recent events at the Hunters Point site are reflected as well.

Understanding that there are time critical steps - beginning with Mr. Munoz and his response to my initial call, up to and including similar steps as defined in your correspondence - I am forwarding this information "as is" in limited depth. Along with this correspondence, it is also my intent to provide within 10 business days additional follow up information which will more precisely capture / connect / supplement the entire basis and nature of the concerns of record. (Since the events of January 13, 2011, I've been placed by Tetra Tech in an unwarranted and disadvantaged position by being forced to 1) hastily vacate my RSOR role / office at Hunters Point, then relocate immediately to assume a supervisory field role at Alameda where - upon conclusion of the recent NRC visit to both "Bay Area" sites, I was advised the following day that the field role was unavailable as well (i.e., a one day notice as of weeks end on April 1, 2011). Thus, the majority of what is needed for the stated follow up effort is packed in boxes staged here in the security of my locked garage.)

In between now and my follow up response (and as always), feel free to contact me if additional information or feedback is needed.

Regards,

Elbert "Bert" Bowers

(b)(7)(C)

Mr. Elbert Bowers

2

RI-2011-A-0019

(b)(5)

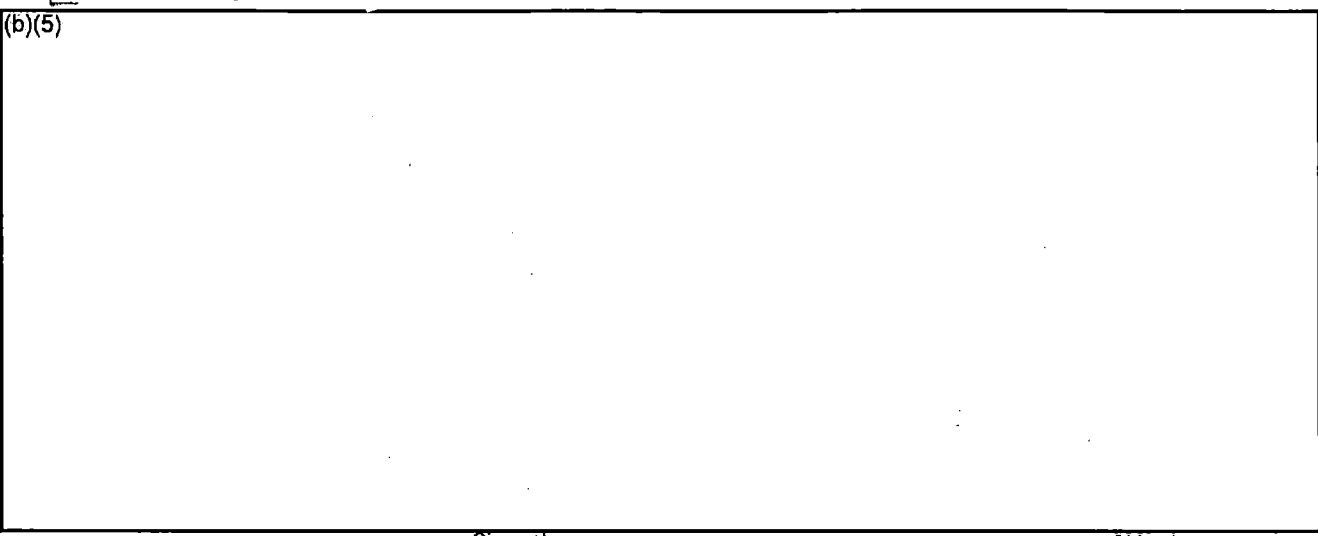


Mr. Elbert Bowers

3

RI-2011-A-0019

(b)(5)



Sincerely,

original signed by:

Richard J. Urban
Senior Allegation Coordinator

Enclosure: As stated

ENCLOSURE 1

RI-2011-A-0019

(b)(5)

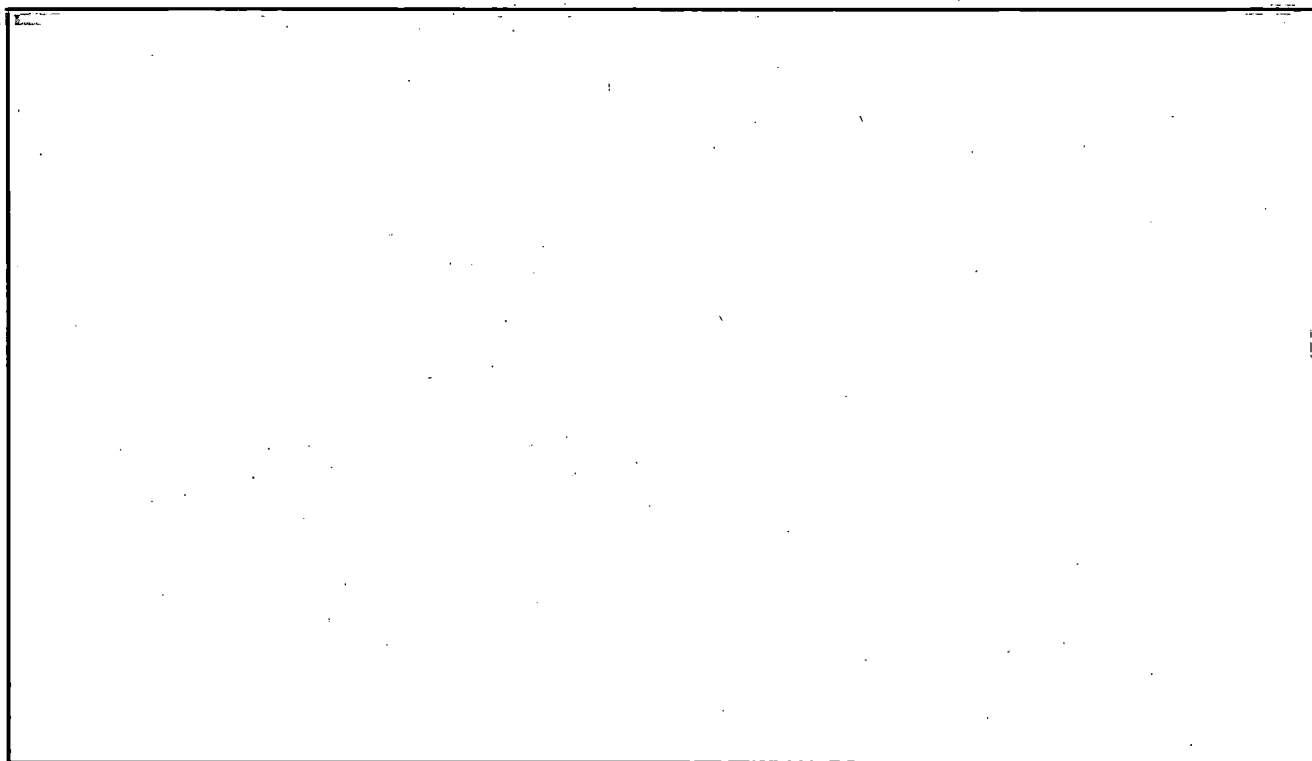


ENCLOSURE 1

RI-2011-A-0019

(b)(5)





RSO Responsibilities

Your license requires that senior management designate an individual as Radiation Safety Officer (RSO). This individual will establish, maintain, enforce and control the company radiation safety program and act as the contact person for the regulatory agency. When the company is contacted or inspected by the regulatory agency they will want to speak with the RSO.

Senior management is required to supply the RSO with the necessary means, including training, to carry out the position of RSO and should work with the RSO to make sure that all conditions and compliance of the license are met.

The RSO will maintain complete, accurate and organized records. The RSO is responsible for making necessary amendments and notifying the regulatory agency of these amendments. The RSO will keep the safety program updated as to any changes in the regulations.

When a new RSO is designated the licensee must immediately notify the regulatory agency. If allowable, the company should also designate an assistant RSO. This person should be readily trained and authorized to speak for the company as well as carry out all RSO responsibilities.

Do you really want to be the RSO?

You must ask yourself that question before you accept the responsibilities of the position. The spotlight will be on you. You cannot cut corners or attempt regulatory "end-arounds". The regulatory agency is delegating the responsibility of "protecting public and property" to your shoulders. Your actions will be viewed and scrutinized by everyone around you. The "Notice to Employees" poster tells your workers about their rights and how to notify the regulatory agency if they see you or your radiation safety program in violation of the regulations. If you let them see you skimp on a rule or regulation today you may regret it in the future. Today's happy employee may be tomorrow's disgruntled employee, one who is looking to get back at you or the company at a later date. Don't give them a reason to "exercise" their employee rights.

You must also not let senior management compromise your duties and authority. The following article gives a reality check to those considering the RSO position.

So You're the New RSO!

What is a Radiation Safety Officer (RSO) and what are his/her duties?

The RSO is the person responsible for radiological safety in conjunction with the use, handling, and storage of radioactive materials in a program licensed by the Nuclear Regulatory Commission (NRC) or Agreement State. It is the duty of the RSO to ensure that all licensed activities are carried out in compliance with the requirements of the license and the applicable rules and regulations.

The following excerpts of an articulated article of relevance offers insight into what the NRC or Agreement State expects of an RSO. (From the March 1993 issue of Nuclear Material Safety and Safeguards (NMSS) Licensee Newsletter)

What does it mean, if you agree to be named as the new Radiation Safety Officer (RSO) on an NRC or Agreement State license?

It means you have the knowledge and skill, the resources and time, the will, and the clout in your organization to ensure that activities involving radiation and radioactive materials are conducted safely, and all license requirements, both in the regulations and those specific to your license, are being met. Although you can delegate tasks, you have the ultimate responsibility.

How much knowledge do you have to have?

It depends. You don't need an advanced degree in nuclear physics if your responsibility is limited. On the other hand, an RSO for a major broad-scope university, medical center, environmental project, or manufacturer will probably need a fairly good scientific background, including substantial knowledge of radiation characteristics and methods of detection.

There is a skill set frequently overlooked in the selection of an RSO: Can you manage? If there is a large program under your license (i.e., a lot of users, diverse places of use, and/or branch offices) can you establish a management system that ensures you know everything that has to be done is being done?

For example, if your license involves a lot of gauges at diverse locations used by numerous employees, the knowledge of dose calculations, shielding or biological effects is not much help if you don't know if your users are properly trained, wearing the proper dosimetry, and transporting and storing gauges correctly.

Most of the civil penalty enforcement actions have resulted from the failure of a licensee to manage the radiation safety program correctly. The major management shortcoming is the failure to know whether activities are being conducted in accordance with NRC and Agreement State requirements. (I fail to understand why a business that knows how to audit its financial activities does not conduct an annual audit of its Radiation Safety Program and safety and operating procedures.)

Do you have the time and resources to be an RSO?

This can be a problem, particularly if the RSO function is an ancillary assignment. It can generally work well for a small program in which the RSO is a user and has day-to-day contact with the other users. One geotechnical office with a few gauge operators is such an example. Others might include a small paving operations company with one office and several gauge operators, or a small testing services company. Problems usually arise when a small business grows, particularly when it adds branch offices, and the part-time RSO can no longer keep track of activities at other locations.

Do you want to be an RSO?

An RSO can be unpopular. You have to be a cop. Sometimes you have to say no. Don't let your name get on the license just because you have a Ph.D. and a desire to teach or do research but not to be a snooper! (I know the feeling. I originally wanted to teach, too. I suppose, in a way, that is what I am doing now, by writing this article. As an RSO, you are a regulator just like me. A regulator has to have the will to regulate.)

- e. Wait for instructions or arrival of emergency response

In the event of theft:

- a. Contact the RSO
- b. Call the regulatory agency
- c. Immediately contact the police
- d. Consider issuing a reward through the media

Investigations and corrections

Investigate all unusual occurrences involving the event (accident, damage, theft, oversights), determine the cause, identify corrective actions and implement such actions.

Enforcement actions and employee misconduct

Enforce all requirements of the license and stop any activities that are considered unsafe or illegal. Misconduct by any employee should be documented and corrective actions taken.

Self-Reporting

An important requirement of your license is for the RSO to self-report any violations of the radiation safety program or conditions of the license. No one is perfect and your regulatory agency understands this. Self corrections are an important learning tool.

Self corrections will show the regulatory agency that you conscientious and committed towards the radiation safety program. Self corrections rarely subject you to a fine, whereas "hidden" violations are far more likely to result in a fine.

Self corrections should include a report of the violation and corrective steps to ensure that the violation will not be repeated.

The File Drawer and Original Copies

The RSO should designate a file drawer for maintaining all of the documents required for the license. This file drawer should hold all of the original documents and be kept under lock and key. If you have to remove an original, make a photocopy and immediately return the original to the file.

There is nothing more helpful during an inspection than a neat, tidy, complete and accurate file of all of your records and it will go a long way towards a successful inspection.

Do you have the clout in your organization?

Or, are you so low in your organization that no one listens to you? Does the senior gauge operator or job foreman write your performance appraisal or control your salary bonus? If so, you may have a problem. You must have the authority to stop an unsafe activity or an activity in violation of NRC or Agreement State requirements. Or you must at least have ready access to someone who can stop it. Organizations that prevent an RSO from doing his or her job are in violation of NRC or Agreement State regulations.

RSO Requirements

Recordkeeping File

Designate a file drawer for maintaining all of the documents required for the license. This file drawer should hold all of the original documents and be kept under lock and key.

RSO Training and Your License

The RSO should have the proper training and experience to carry out the position. This training should qualify the individual to perform the duties of the RSO.

Training

The RSO must have practical experience in the area of license application and must introduce and instruct workers to the safety and operational aspects that are unique to the application.

All workers must pass a Radiation Safety Certification Class. Completion of this class will aid the RSO and further the understanding of safety, security and compliance requirements for every person in the organization. Remember, your safety program is only as good as your least trained person.

The RSO will oversee the training and monitor the test that is required of company employees and will ensure that he/she has received training. Company employees should be trained in all safety and emergency procedures and possess a copy of the company radiation safety program.

Training for the employees should include:

- Radiation safety training
- HAZMAT training
- Annual refreshers

Topics of training include:

- Principles and practices of radiation protection
- Radiation measurement and monitoring
- Biococial effects of radiation

It is important for the RSO or an authorized user to spend time with new workers in the basics of radiation safety and operation.

The certificate issued for successful completion of Radiation Safety Training will include a confirmation and signature line for the RSO to acknowledge that the employee has received hands on training with the radioactive material in use by the company subject to license control. The training course covers the safe use and handling of radioactive materials.

The RSO will authorize and ensure that only properly trained individuals will work with radioactive materials subject to license control including the preparation and transport of such materials. All training certificates are to be kept on file.

Personnel Monitoring/Dose Rates

The RSO will ensure that dosimetry use is considered for all workers subject to monitoring for occupational radiation exposure. Train and practice the concepts of ALARA (As Low As Reasonably Achievable) to ensure minimal exposures. When not in use all employee dosimeters should be kept with the control badge, at a distance free from high background exposure areas. Store badges in a temperate environment.

The annual dose limit for workers is 5,000mRem. Declared (in writing) pregnant workers are limited to 500mRem for the term of the pregnancy. Workers under the age of 18 are limited to 500mRem/yr (some states limit their exposure to 50mRem).

Storage areas should have limited access to the general public and ensure that public exposure is less than 100mRem/yr or the exposure at 3 feet is less than 0.2mRem/hr. A general rule of 15 feet from a full-time work station should ensure compliance but areas with multiple gauges will need to be evaluated.

Reciprocity

Operations involving license controlled quantities of radioactive material can only be conducted within the state under the licensee's regulatory agency. Sources will be kept in a licensed storage area or approved work site temporary storage. Use in another state will require reciprocity (permission from the NRC or Agreement State).

Storage/Security

When not in use radioactive material subject to license control will be stored behind double-locked security that prevents unauthorized access or removal. The RSO must authorize and approve any operators before they can remove items from storage. Any item or package removed from storage must be inspected and logged out with the operator's name, date, any serial number and place of use.

Radioactive material subject to license control can never be left unattended at the work site. Items left in vehicles should be double-locked and concealed with appropriate bill of lading and emergency response sheets left on the driver's seat.

Radioactive material subject to license control cannot be left unsupervised with 2nd or 3rd party personnel. If you have an individual from a service company visit your site to calibrate, service or repair equipment using check sources, you must have one of your authorized users accompany the individual at all times. They cannot be left alone with your equipment nor can they be left alone in a secured storage area. The service individual is not employed by your company and you have not transferred the equipment to their ownership.

You cannot let the individual remove equipment or packages to take to their vehicle without supervision. If an item is removed from storage you must adhere to all requirements of the radiation safety program.

If you are in possession of radionuclide quantities of concern (Risk Significant Radioactive Material aka RSRM) you are not allowed to let 2nd or 3rd party individuals access the package or source unless they have regulatory background clearance. Look in the Appendices/Attachments for the NRC Notice.

Leak Testing

Check sources (including exempt quantities as a good practice) should be leak tested for contamination every 6 months and documentation placed on file.

Inventory

Hands on source inventory will be taken every 6 months and documentation kept on file.

Emergency procedures

Employees who work with radioactive materials subject to license control will be trained in aspects of emergency precautions and emergency response. In the event loss of control occurs at a work site trained and qualified radiation worker will respond in the following order:

- a. Attend to anyone that may have been injured.
- b. Determine the location of radioactive sources
- c. Take control and deny access to the area (15 feet in all directions)
- d. If a vehicle is involved keep it on site until it is determined that it is not contaminated
- e. Gather details about accident and damage – if possible, perform radiation survey
- f. Stay at the site but contact RSO with details
- g. If necessary, the RSO will contact the regulatory agency, any manufacturer and / or police
- h. The RSO will give guidance on whether to move radioactive sources
- i. The RSO should travel to the site with a radiation survey meter

In the event of damage in an auto accident:

- a. Attend to injuries
- b. Deny access
- c. Gather details
- d. Contact the RSO and/or emergency response number

RSO Recordkeeping Checklist

These documents and procedures are discussed in the Training Manual.

Specific License

The Regulations

Employee Training Records

Radiation Safety Class Certification

Radiation Work Field Training

U.S. DOT Hazardous Materials (HAZMAT) Training

RSO Training

Employee Annual Refresher

Notice to Employees Poster

Personnel Radiation Exposure Records – Dosimetry Records

Inventory and Receipt Records

Receipts

Inventory

Leak Test Reports

Daily Use Logs

Special Form Certificate required by IAEA – Certificate of Competent Authority

Sealed Source and Device (SSD) Sheets

Original License Application Package

Extra Labels

Type "A" Package Test Results

Radiation Safety Program

Annual Audits

Transport Documents

Field Operating Procedures

Emergency Procedure Documents/Procedures/Plans

Documents Package for File

In Summary

- A. The RSO will emphasize the ALARA philosophy to workers, instruct personnel on current procedures and provide guidance on relevant changes to reduce exposures.
- B. The RSO will review dosimetry reports for all monitored personnel to determine if unnecessary exposures are being received. The RSO will investigate within 30 days the cause of any dose considered to be excessive. If warranted, the RSO will take corrective actions to prevent recurrence. A report of each investigation and the actions taken, if any, will be recorded and maintained for inspection purposes.
- C. At least annually, the RSO will conduct a formal review of the radiation protection program's content and implementation. The review will include an evaluation of equipment, procedures, dosimetry records, inspection findings, and incidents. The RSO will assess trends in occupational exposures as an index of the program's success and determine if any modifications to the program are needed. A summary of the results of each annual review, including a description of actions proposed and taken (if any) will be documented by the RSO, discussed with management, and signed and dated by both. A report on each audit will be maintained on file for 3 years from the date of the review.
- D. The RSO will provide written notifications of annual radiation exposures to all monitored personnel and will be available to respond to any questions regarding the exposure reports.

REFERENCE 1

COPY



TETRA TECH

MEMORANDUM

Date: January 20, 2010

(b)(7)(C)

From: (b)(7)(C)

Tetra Tech EC, Inc.
Twin Oaks I, Suite 309,
5700 Lake Wright Drive,
Norfolk, VA 23502
(757) 466-4906

To: All TtEC Radiation Safety Program Personnel

Subject: Designation of Radiation Safety Officer Representative - Hunters Point

As determined by the Corporate Radiation Safety Officer, Bert Bowers has the necessary training and experience described in Appendix H of NUREG 1556, Volume 18 to act in the position of Hunters Point Radiation Safety Officer Representative. This designation is in accordance with Materials License Number 46-27767-01, Docket Number 030-36414, Condition 11.A, as issued to Tetra Tech EC, Inc. through and subject to oversight by the U.S. Nuclear Regulatory Commission.

As the Hunters Point Radiation Safety Officer Representative, Mr. Bowers has the vested authority and responsibility to ensure radiological safety and compliance with the TtEC radioactive materials license as it is used at the Hunters Point Shipyard.

cc: RSO file, Hunters Point RSOR (rsor/nrc/hps file/012010)



TETRA TECH

COPY

MEMORANDUM

Date: January 20, 2010

From: (b)(7)(C)

To: All TtEC Radiation Safety Program Personnel

Subject: Personnel Authorized for Use of Radioactive Materials at Hunters Point

In reference to the subject line above, a review has been conducted of TtEC personnel qualifications and experience. In that regard, the following individuals are hereby authorized to use, and supervise the use of, radioactive materials at the Hunters Point Shipyard in accordance with NRC License # 46-27767-01:

- 1. (b)(7)(C)
- 2. Bert Bowers
- 3. (b)(7)(C)
- 4.
- 5.
- 6.
- 7.
- 8.

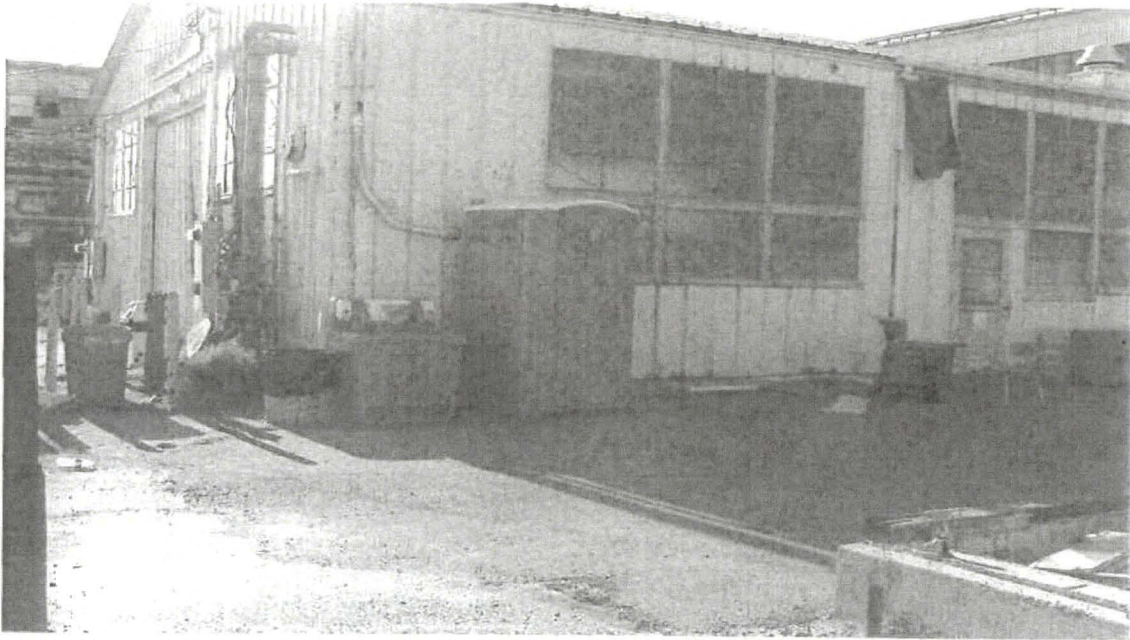
Licensed radioactive material shall only be used by, or under the supervision of, the RSO or one of the designated personnel listed above.

All users of licensed radioactive material are responsible to ensure such materials are handled and maintained in strict adherence to the requirements of the License and the Radiation Safety Program.

All supervised use of the radioactive materials requires direct cognizance of such use by the RSO or one of the individuals listed above. Any questions in regard to the authorized use of radioactive materials are to be directed to the Radiation Safety Officer.

cc: RSO file, Authorized Personnel (rso/nrc/hps file/012010)

REFERENCE 2



HPS Parcel B at Building 271 RAD Waste Storage Area: "As Found" by RSO representative during end-of-day RAD Integrity field check (generator left unsecured; side door to building open; entire building posted as an RCA) 03.17.10

REFERENCE 3



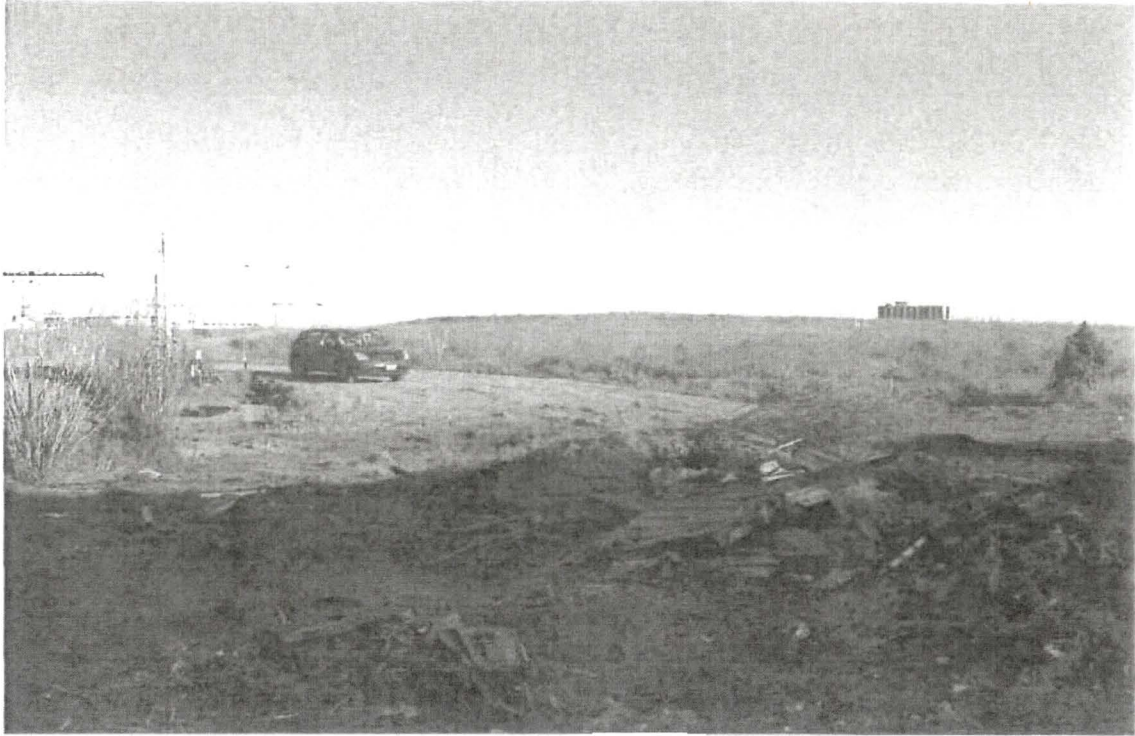
Panoramic of HPS Parcel E Site Perimeter: Construction Site referred to as "UCSF Access Road Detour" (Inside Site RCA Facing General Public Properties), March 18, 2010



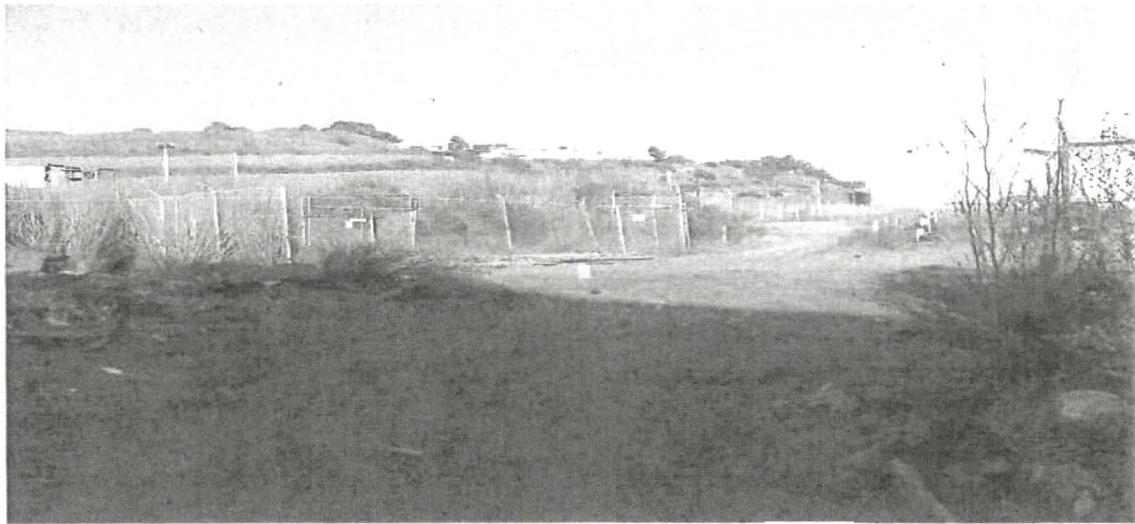
HPS Parcel E Site Perimeter: "As Found" by RSO Representative during End of Day "RAD Integrity Field Check" at Construction Site referred to as "UCSF Access Road Detour" (Inside Site RCA Facing General Public Properties), Angle 1, March 18, 2010



HPS Parcel E Site Perimeter: "Corrective Action" RCA Posting Established by RSO Representative during End of Day "RAD Integrity Field Check" at Construction Site referred to as "UCSF Access Road Detour" (Inside Site RCA Facing General Public Properties), Angle 1, March 18, 2010

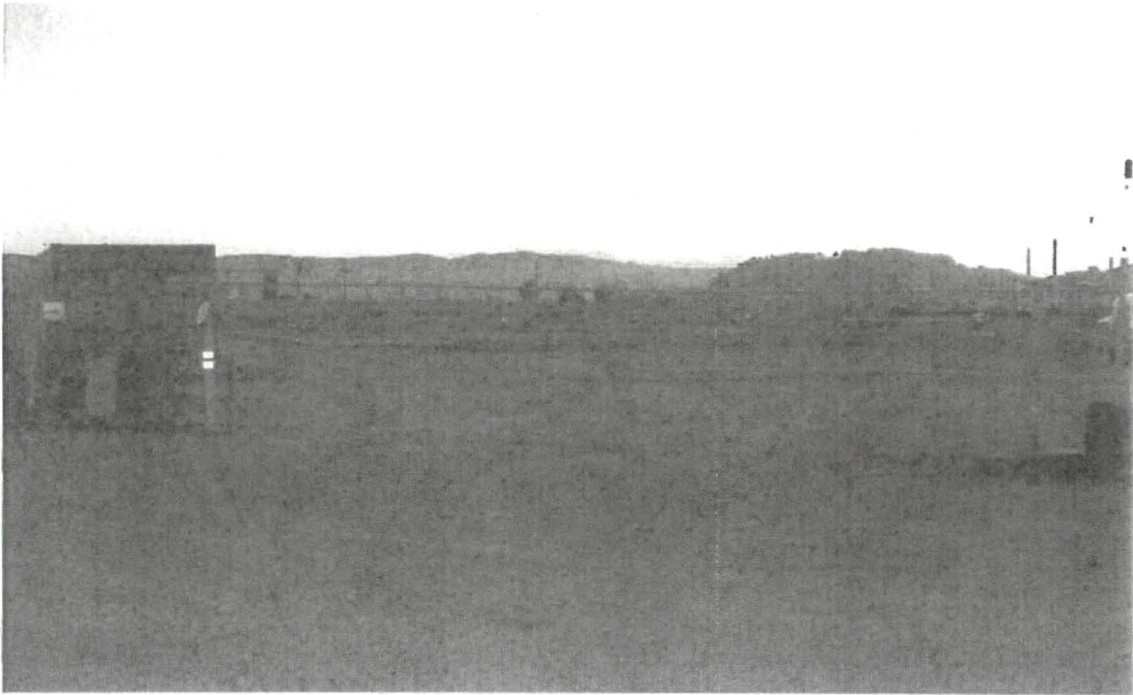


HPS Parcel E Site Perimeter: "As Found" by [RSO Representative] during End of Day "RAD Integrity Field Check" at Construction Site referred to as "UCSF Access Road Detour" (Facing Site RCA from General Public Property), Angle 2, March 18, 2010

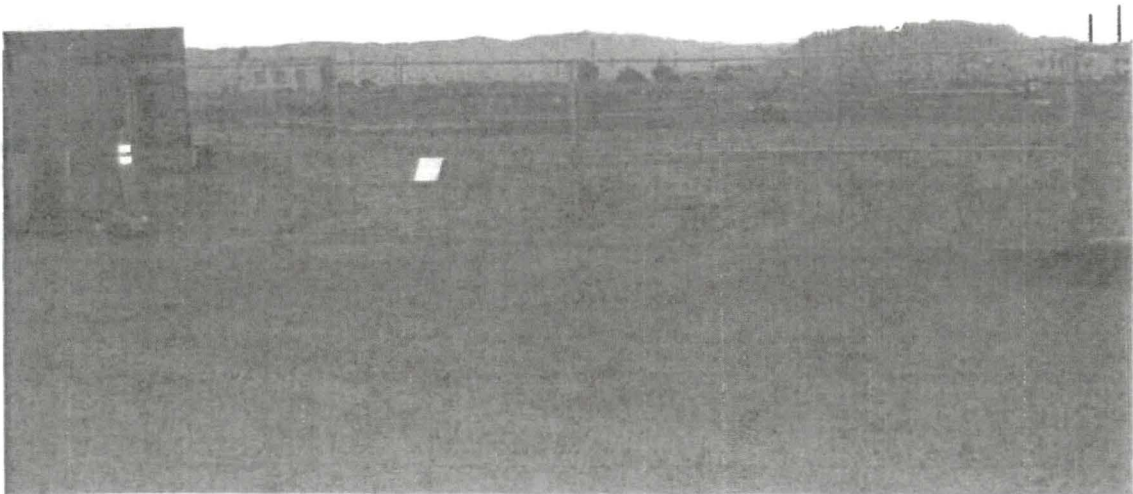


HPS Parcel E Site Perimeter: "Corrective Action" RCA Posting Established by [RSO Representative] during End of Day "RAD Integrity Field Check" at Construction Site referred to as "UCSF Access Road Detour" (Facing Site RCA from General Public Property), Angle 2, March 18, 2010

REFERENCE 4

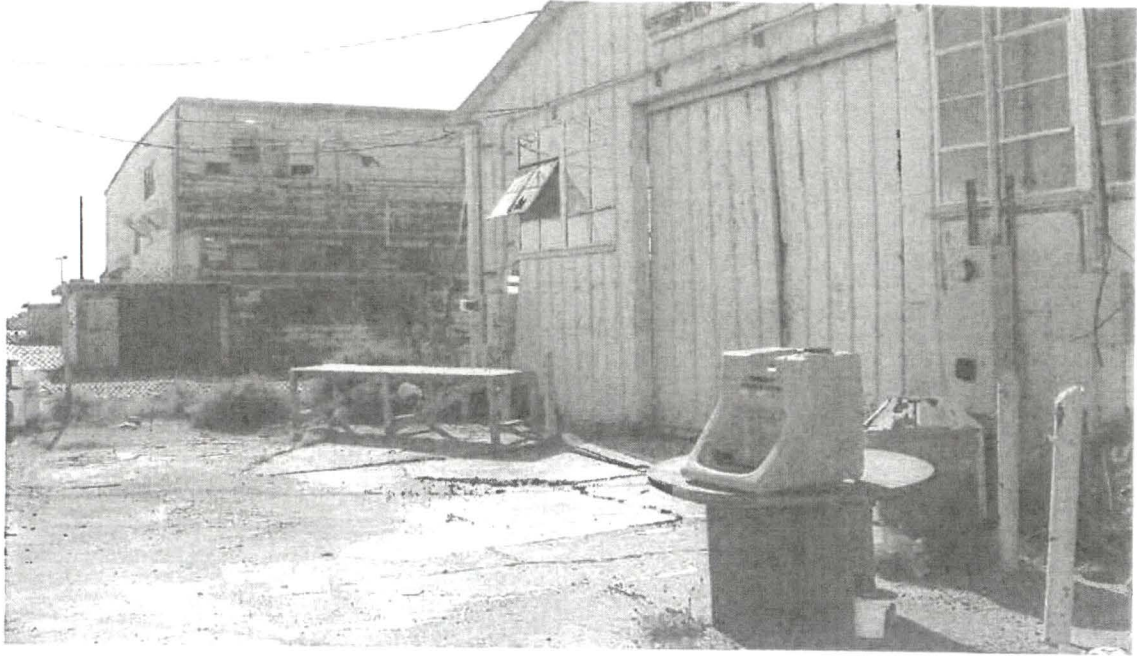


Parcel D at Radiological Screening Yard 2 (RSY2): Active soil characterization work area: RAD deficiency (RAD sign/rope not re-established across locked gate) as noted during end-of-day RAD integrity field check, 4.7.10



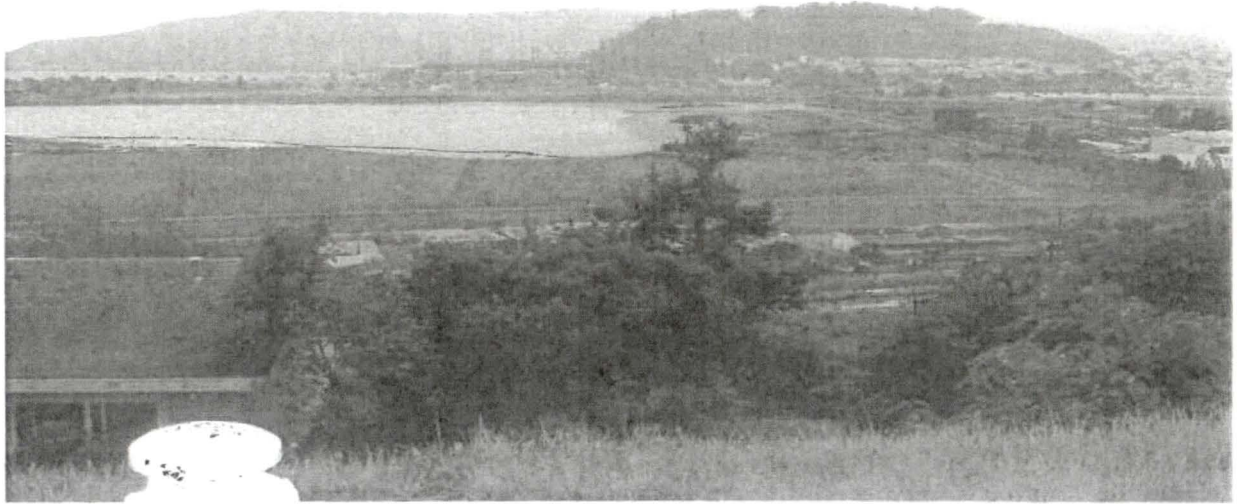
Parcel D at Radiological Screening Yard 2 (RSY2): Active soil characterization work area: RAD deficiency (RAD sign/rope not re-established across locked gate) as corrected during end-of-day RAD integrity field check, 4.7.10

REFERENCE 5

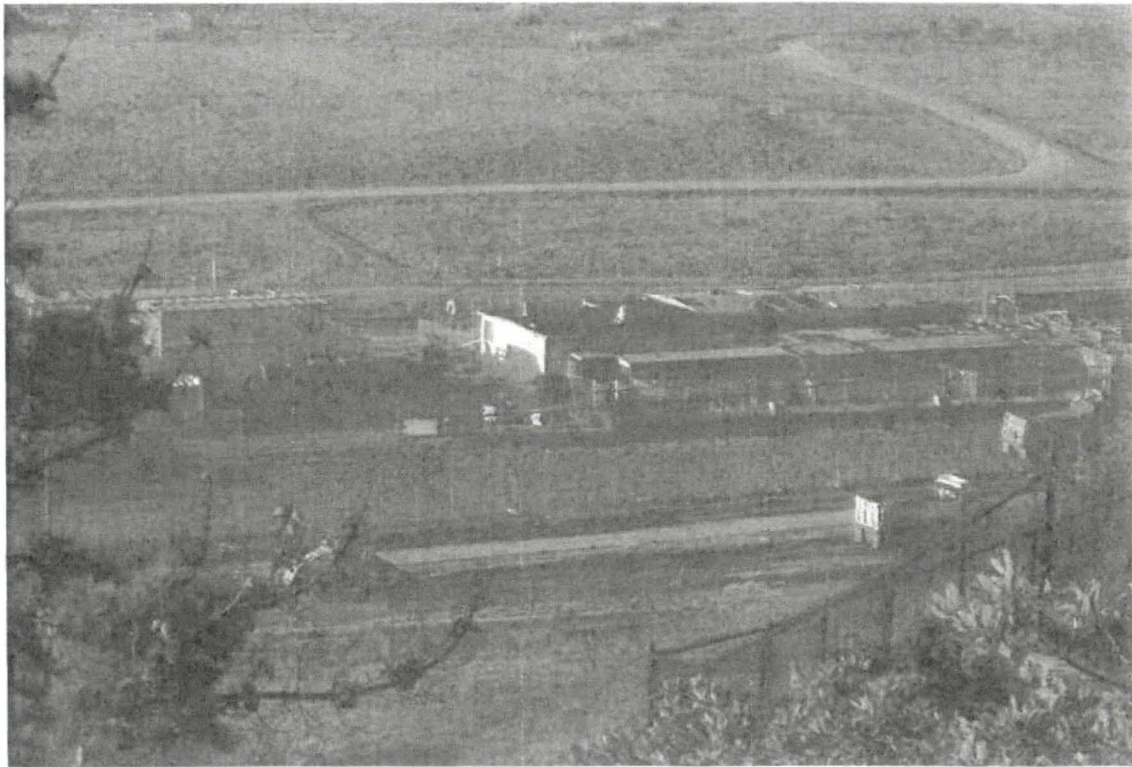


HPS Parcel B at Building 271 RAD Waste Storage Area: "As Found" by RSO representative during end-of-day RAD Integrity field check (table staged under open window; entire building posted as an RCA)
04.23.10

REFERENCE 6

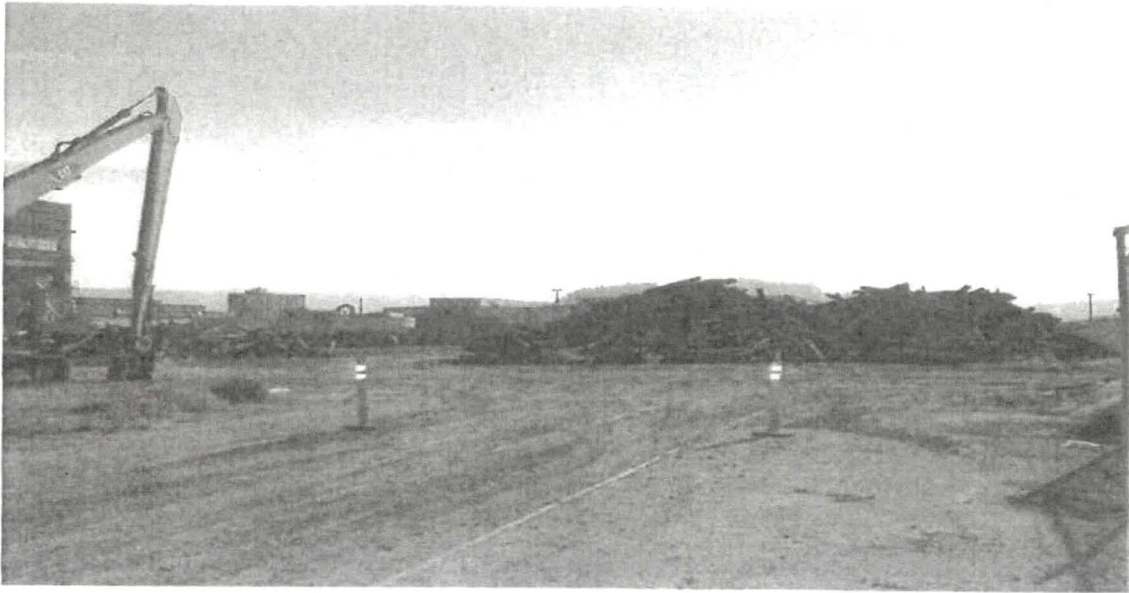


View 1 of Parcel E Overlook at "Utility Corridor" RCA: Prior Event - PG&E Staff Present w/ No Authorized User (After Hours/No Notification)

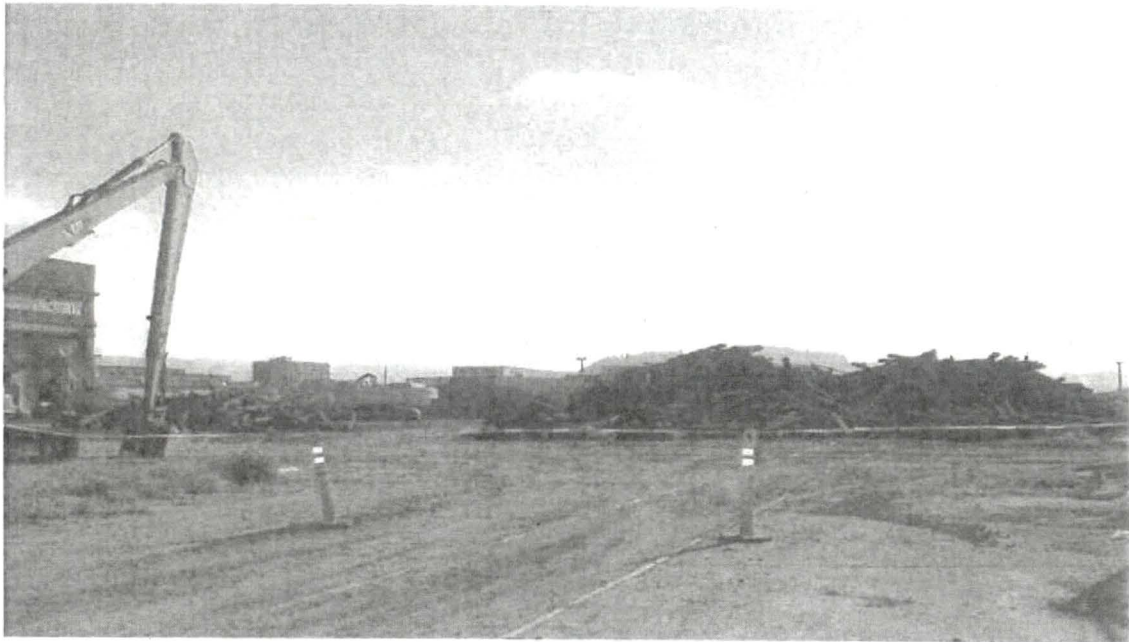


View 2 of Parcel E Overlook at "Utility Corridor" RCA: Prior Event - PG&E Staff Present w/ No Authorized User (After Hours/No Notification)

REFERENCE 7



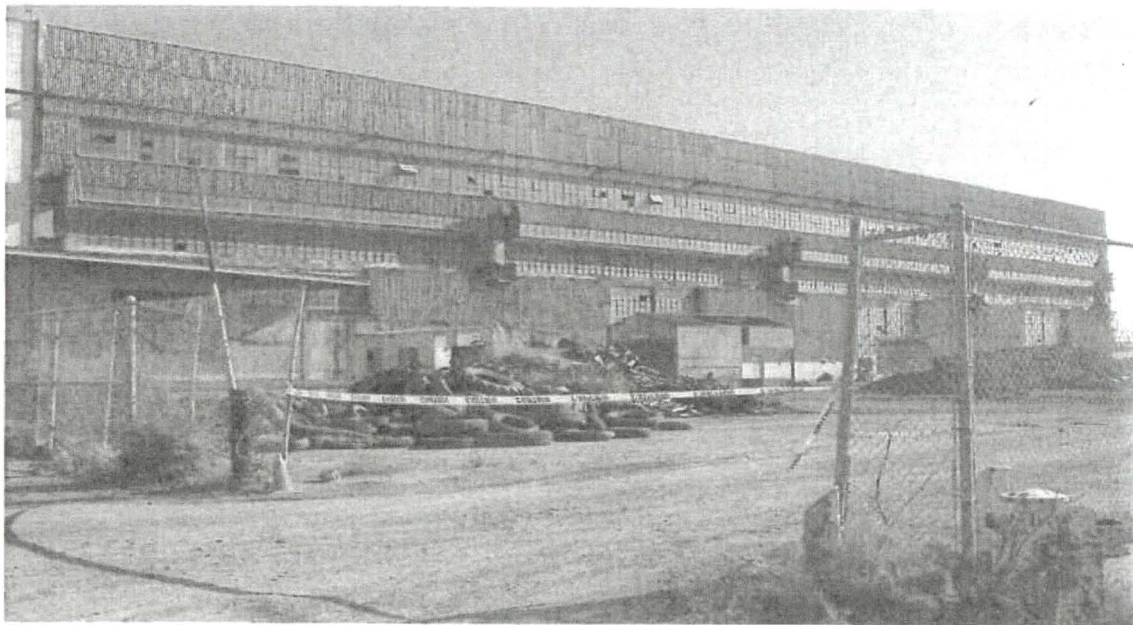
HPS Parcel D "Pickling Tank" Active Construction Area (View A): Safety deficiency as noted during end-of-day RAD integrity field check, 5.14.10



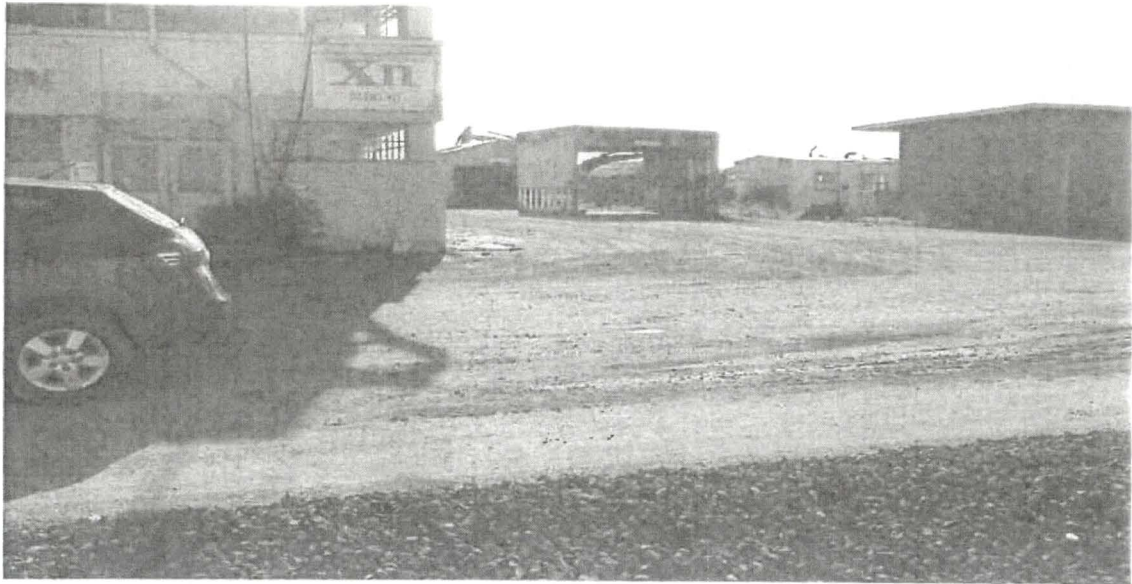
HPS Parcel D "Pickling Tank" Active Construction Area (View A): Safety deficiency as corrected ("Caution" tape re-established) during end-of-day RAD integrity field check, 5.14.10



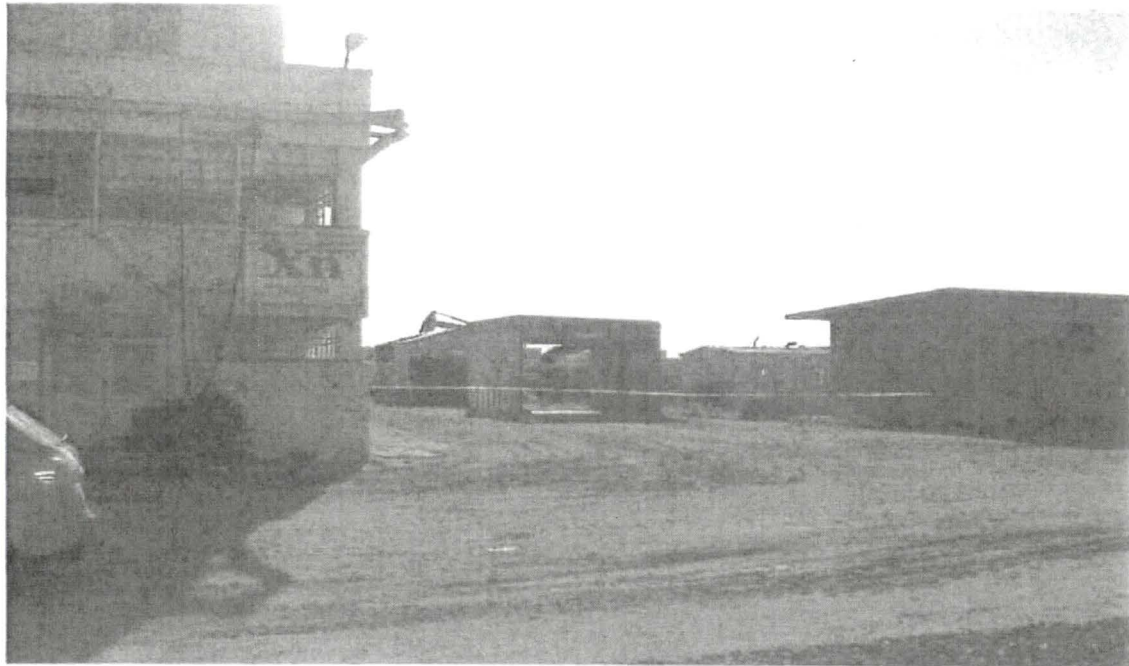
HPS Parcel D "Pickling Tank" Active Construction Area (View B): Safety deficiency as noted during end-of-day RAD integrity field check, 5.14.10



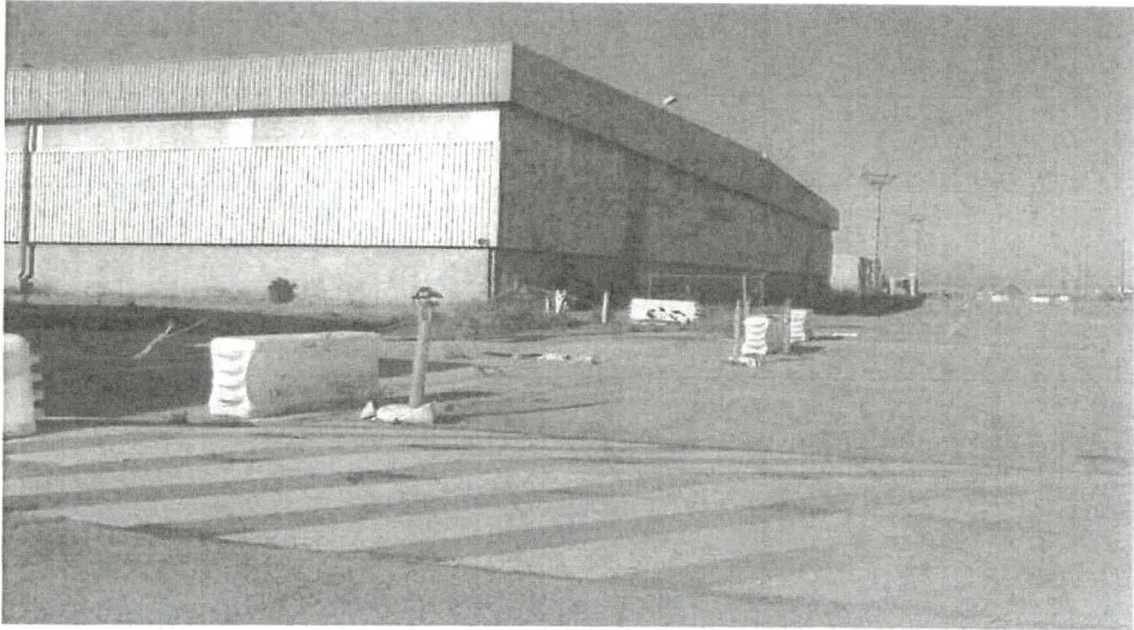
HPS Parcel D "Pickling Tank" Active Construction Area (View B): Safety deficiency as corrected ("Caution" tape re-established) during end-of-day RAD integrity field check, 5.14.10



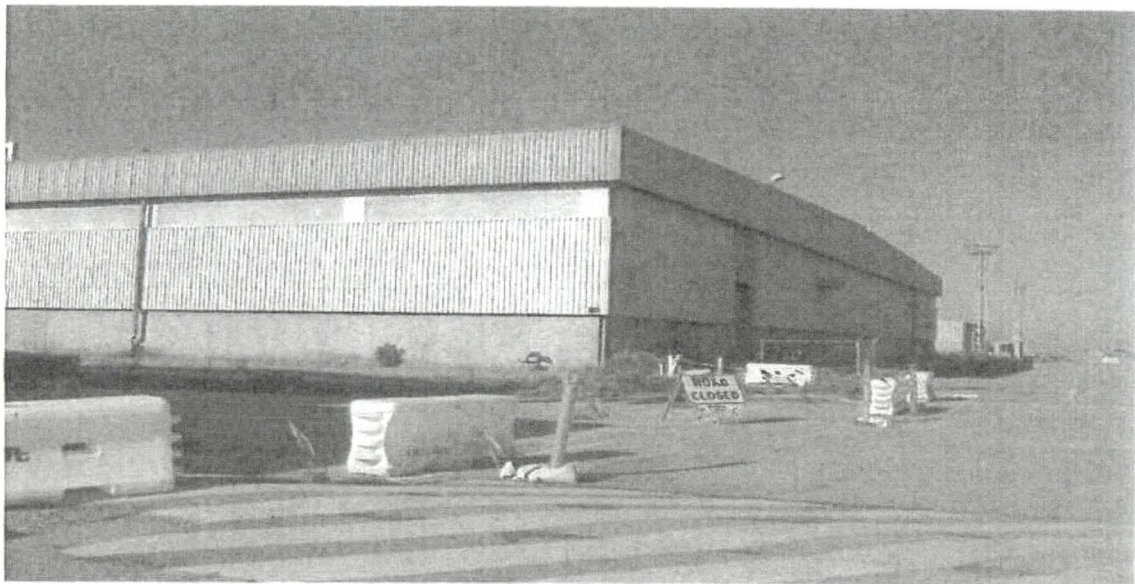
HPS Parcel D "Pickling Tank" Active Construction Area (View C): Safety deficiency as noted during end-of-day RAD integrity field check, 5.14.10



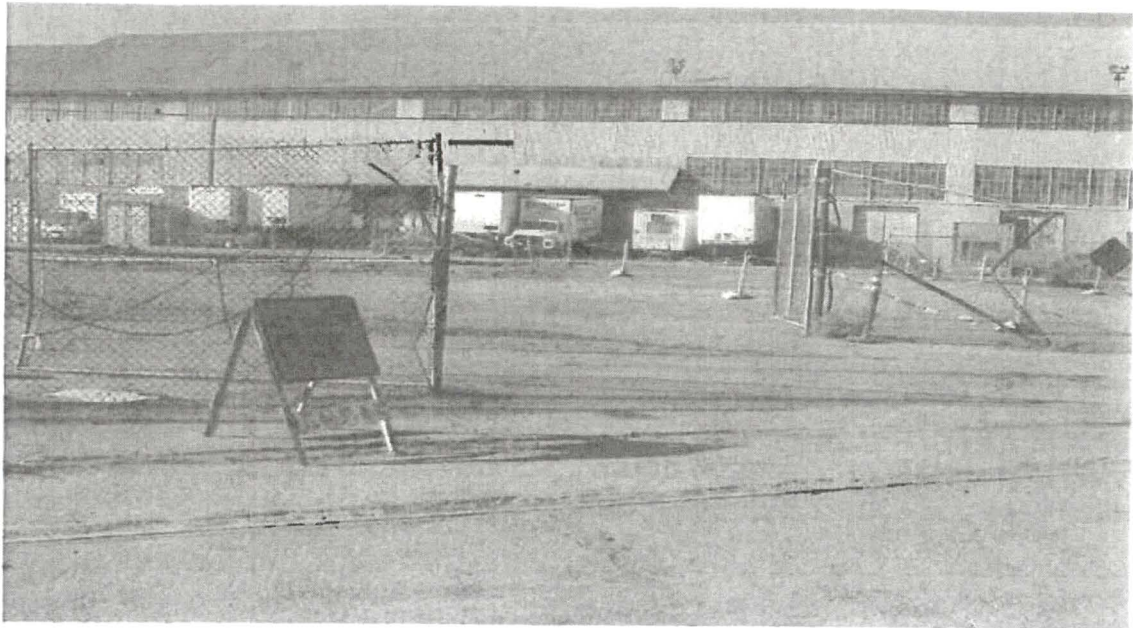
HPS Parcel D "Pickling Tank" Active Construction Area (View C): Safety deficiency as corrected ("Caution" tape re-established) during end-of-day RAD integrity field check, 5.14.10



HPS: Parcel D "Pickling Tank" Active Construction Area Perimeter (View D): Safety deficiency as noted during end-of-day RAD integrity field check, 5.14.10



HPS: Parcel D "Pickling Tank" Active Construction Area Perimeter (View D): Safety deficiency as corrected ("Road Closed" sign re-established) during end-of-day RAD integrity field check, 5.14.10



HPS: Entrance to "Utility Corridor (UC) Parcel" Active Construction Area (View A): Safety deficiency as noted during end-of-day RAD integrity field check, 5.14.10



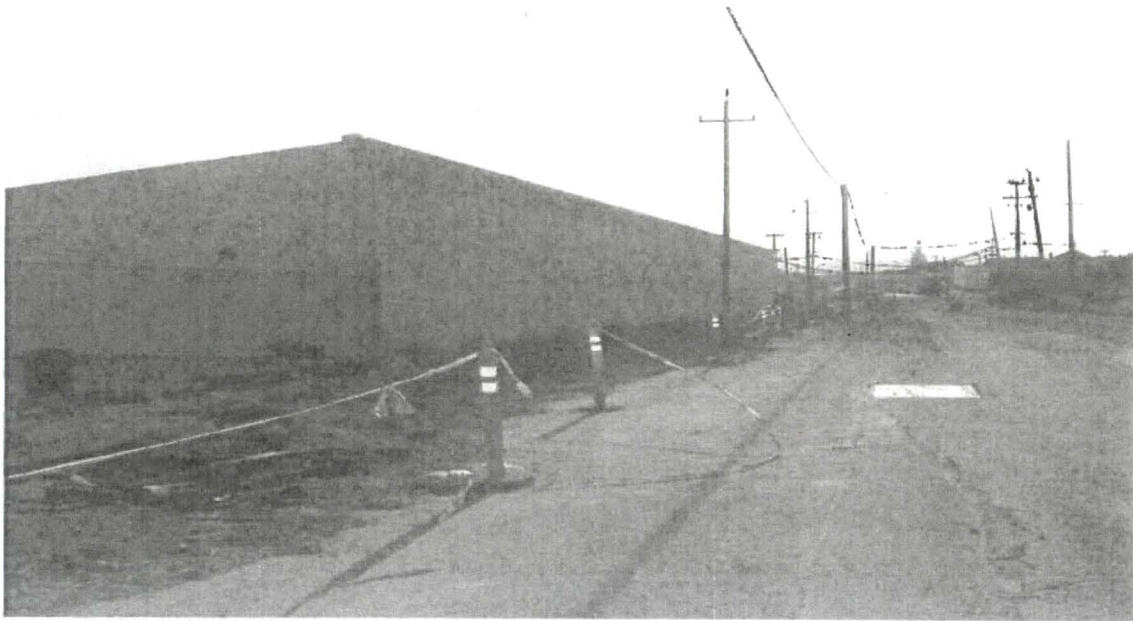
HPS: Entrance to "Utility Corridor (UC) Parcel" Active Construction Area (View A): Safety deficiency as corrected "Caution" tape re-established) during end-of-day RAD integrity field check, 5.14.10



HPS: Inside "Utility Corridor (UC) Parcel" Active Construction Area (View B): RAD deficiency (uncollected/unused RAD rope strewn along fence panel) as noted/collected during end-of-day RAD integrity field check, 5.14.10



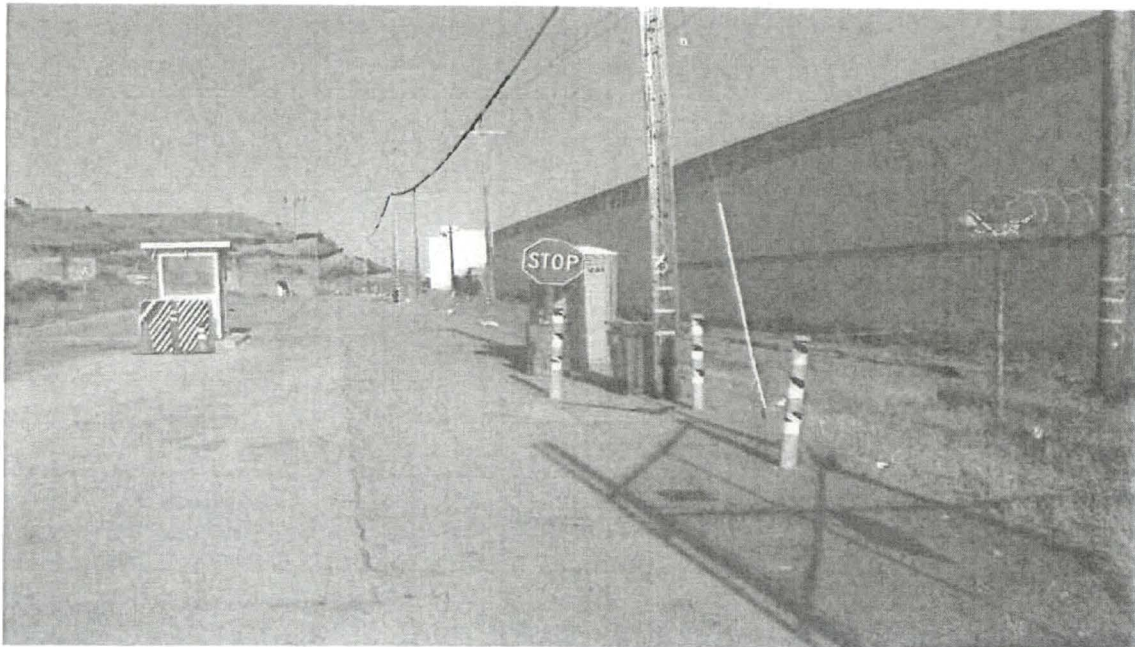
HPS: Inside to "Utility Corridor (UC) Parcel" Active Construction Area (View C): RAD deficiency (downed RAD rope) as noted/re-established during end-of-day RAD integrity field check, 5.14.10



HPS: Inside "Utility Corridor (UC) Parcel" Active Construction Area (View D): Safety deficiency as noted during end-of-day RAD integrity field check, 5.14.10



HPS: Inside "Utility Corridor (UC) Parcel" Active Construction Area (View D): Safety deficiency as corrected during end-of-day RAD integrity field check, 5.14.10



HPS: Inside "Utility Corridor (UC) Parcel" Active Construction Area (View D): Safety deficiency (shovel on ground to right of stop sign and in area accessible to public, scoop end facing up) as discovered/ corrected during end-of-day RAD integrity field check, 5.14.10



HPS Parcel B at Building 271: Active RAD Waste Characterization Work Area (View A): RAD deficiency (pad lock unsecured) as noted/corrected during end-of-day RAD integrity field check, 3.23.10

REFERENCE 8

From: Bowers, Bert

Sent: Wednesday, June 30, 2010 11:21 AM

To: (b)(7)(C)

Subject: Hunters Point Parcel E RCA Boundaries Subject to Shaw/Tetra Tech Jurisdiction

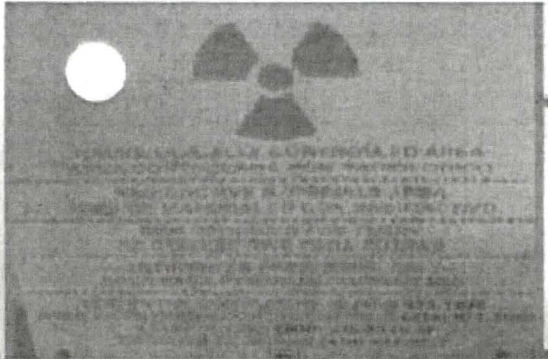
Hi (b)(7)(C)

I'll attempt to give you a call in a bit to discuss the attached photographic outline specific to Parcel E...

Bert

=

Wind direction from bay →



TtECI

Non-impacted road surface

Shaw



REFERENCE 9



TETRA TECH EC, INC.

MEMORANDUM

To: Hunters Point Shipyard (HPS) – Radiological Control Technical (RCT) Staff

From: Bert Bowers, TTECI Radiation Safety Officer Representative

Date: August 19, 2010

Subject: Project Specific Reference / Guidance Documents for the Conduct of Radiologically Based Tasks at HPS

A component of TTECI's expected level of RCT performance during the conduct of ANSI defined skill sets includes an ongoing familiarity with established programs, procedures, and reference resources – by which all technical support actions are based⁽¹⁾. In regards to radiological applications that correspond to this project, a site management team consisting of RAD supervision, the (b)(7)(C) [redacted] and the TTECI (b)(7)(C) [redacted] have identified the following active documents – the contents for which you are expected to routinely reference and implement as appropriate:

- Department of the Navy - Hunters Point Shipyard, Historical Radiological Assessment (HRA) Manual
- Corporate Tier, ESQ - Radiological Protection Procedures
 - + NLP-01 - As Low As Reasonably Achievable Program (ALARA) Program
 - + NLP-02 – Radioactive Material Accountability
 - + NLP-03 – Sealed Radioactive Source Control
 - + NLP-04 – Radiological Entry Control Program
 - + NLP-05 – Radioactive Contamination Control
 - + NLP-06 – Managing Radiological Emergencies
 - + NLP-07 – Radiological Protection Records
 - + NLP-08 – Radiation Protection Program Audits
 - + NLP-09 – Radiological Protection Nonconformance reports
 - + RP1-1 – Radiological Protection Program
- Tetra Tech EC - Basewide Radiological Protection Plan (RPP), Hunters Point Shipyard
- Hunters Point Shipyard Standard Operating Procedures
 - + HPO-Tt-002 – Issue and Use of Radiation Work Permits
 - + HPO-Tt-004 – Project Dosimetry
 - + HPO-Tt-006 – Radiation and Contamination Surveys
 - + HPO-Tt-007 – Preparation of Portable Radiation and Contamination Survey Meters and Instruments for Field Use
 - + HPO-Tt-008 – Air Sampling and Sample Analysis
 - + HPO-Tt-009 – Sampling Procedures for Radiological Surveys
 - + HPO-Tt-010 – Radiologically Restricted Areas Posting and Access Control
 - + HPO-Tt-011 – Control of Radioactive Material
 - + HPO-Tt-012 – Release of Materials from Radiologically Controlled Areas
 - + HPO-Tt-016 – Decontamination of Equipment and Tools
 - + HPO-Tt-017 – Radiological Respiratory Protection Policy
 - + HPO-Tt-021 – Gamma Screening for Trucks Using the Screening Portal Monitor
 - + HPO-Tt-022 – Radiological Protective Clothing Selection, Monitoring and Decontamination
 - + HPO-Tt-026 – Gamma Screening of trucks Using Portable Survey Instrumentation
 - + HPO-Tt-027 – Operation of Conveyor systems Using the Ludlum4612 Detector Array System
 - + HPO-Tt-270 – Backfill Review and Acceptance Procedure (Internal Distribution Only)

The intent of this memorandum is to document your understanding that the above referenced resources exist, that direct supervision is responsible for ensuring access to the listed resources is readily available, and that you will maintain full compliance with radiological protocol as established for this project – including the timely reporting of observed discrepancies and any needs for corrective action(s). To indicate your understanding as such, please complete the appropriate sections beside your name on the attached sign-off form.

As always, feel free to stop by my office or contact me at 415 216-2742 if additional information or feedback is needed.

⁽¹⁾ Additional and equally important "task specific" field programs, work instructions, procedures, and reference resources will likely apply to your assignments and require the same level of familiarity as determined by project management and administered through your supervisor.

REFERENCE 10

116

MEMORANDUM

To: Hunters Point Shipyard (HPS) – Radiological Control Technical (RCT) Staff

From: Bert Bowers, TtECI Radiation Safety Officer Representative

Date: September 15, 2010

Subject: Collection of "Beta/Gamma" Static Measurements (and Representative Background Data)

During the conduct of ANSI defined skill sets, a major component of TtECI's expected level of RCT performance includes the correct use of established protocol for field data collection. Specific to surveys involving "beta/gamma scans and statics" (i.e., those unique to open area locations, building/structural/equipment surfaces, etc), it is important to confirm in advance with your supervisor the technique(s) required unique to your assigned task - and implement as such to ensure the validity of data collected. To that effect, demonstrating the ability to reliably determine and apply the correct background selection methodology for "beta/gamma scans and statics" is essential (i.e., use of "ambient or like material methods, etc" as defined in corresponding work instructions and/or as tasked by direct supervision).

To further emphasize this point, excerpts with data results from five selected field survey reports follow (names and locations are omitted). In all examples, reference the column titled "Fixed + Removable (NET)", specifically the data entered under the header "Beta/Gamma dpm/100 CM²". Assess the "beta/gamma" survey results (along with corresponding information for "Instrumentation Used"). Identify on each example if you would APPROVE or REJECT the results. For any rejections, list the basis for your decision along with any identified need for required corrective action(s). Review this information thoroughly prior to making your final determination. Once completed, return the examples with comments to your supervisor for follow-up discussion and feedback.

Note: While reviewing the examples, keep in mind that a vast majority of data collected from the field is ultimately transferred into survey reports. Survey documents are often times incorporated into information which is submitted to regulators and other outside entities. In these instances, the information includes names/locations and in part reflects on the entire staff retained by Tetra Tech and its perceived level of expertise in performing technically oriented work. In that regard, attention to detail, constant contact with supervision, and the correct use of established protocol go "hand-in-hand" with generating a quality product and in doing our job right the first time. In parallel, discrepancies encountered while in the field (work document errors, difference of opinion, etc) which prevent the correct and smooth performance of technically oriented work need to be brought to the attention of project management – in both a timely fashion and at the appropriate level.

EXAMPLE 1

Location	Exposure Rate (µR/hr)		Fixed + Removable (NET)			Removable (NET)		Comments	
	Contact	1 Meter	Gamma (cpm)	Alpha dpm/100cm ²	Beta/Gamma dpm/100cm ²	Alpha dpm/100cm ²	Beta/Gamma dpm/100cm ²		
1				3.60	-147.46	1.70	7.60	N/A	
2				-0.90	-310.33	-0.54	7.60	N/A	
3					-5.40	-222.29	-0.54	-2.90	N/A
4					8.10	-376.36	-0.54	-0.80	N/A
5					3.60	-217.89	1.70	1.30	N/A
6					-5.40	-160.67	-0.54	13.89	N/A
7					8.10	-222.29	1.70	7.60	N/A
8					-0.90	-182.68	1.70	3.40	N/A
9					-0.90	-310.33	-0.54	-0.80	N/A
10					-5.40	-266.31	-0.54	9.69	N/A
11					12.60	-297.12	-0.54	-0.80	N/A
12					-0.90	-138.66	3.93	-2.90	N/A
13					-0.90	-548.03	-0.54	-2.90	N/A
14					8.10	-486.40	-0.54	9.69	N/A
15					3.60	-482.00	-0.54	-0.80	N/A
16					8.10	-552.43	-0.54	5.50	N/A
17					-5.40	-389.56	-0.54	9.69	N/A
18					3.60	-464.39	-0.54	3.40	N/A
19					8.10	-323.53	-0.54	1.30	N/A
20					-0.90	-424.78	-0.54	1.30	N/A

INSTRUMENTATION USED

Model Ins/Det.	Serial Number	Calibration Due Date	Instrument % Efficiency	Total % Efficiency	MDC/MDA + (dpm/100cm ²)	Background + (dpm/100cm ²)
2360	193837	10/21/2010	α 35.26%	α 8.82%	α 36.44	α 5.40
43-68	216849		βγ 36.06%	βγ 9.02%	βγ 355.40	βγ 1230.31
Protean	0615068	7/9/2011	α 59.72%	α 14.93%	α 10.80	α 0.54
			βγ 63.55%	βγ 15.89%	βγ 15.54	βγ 2.90

Approve Reject (Reason and corrective actions – if rejected: _____)

EXAMPLE 2

Location	Exposure Rate (µR/hr)		Fixed + Removable (NET)			Removable (NET)		Comments
	Contact	1 Meter	Gamma (cpm)	Alpha dpm/100cm ²	Beta/Gamma dpm/100cm ²	Alpha dpm/100cm ²	Beta/Gamma dpm/100cm ²	
1				21.03	-157.69	-0.47	6.15	N/A
2				11.69	-144.66	-0.47	-0.15	N/A
3				7.01	-192.44	-0.47	1.95	N/A
4				2.34	-179.41	1.76	-2.24	N/A
5				-2.34	-248.91	-0.47	-0.15	N/A
6				30.38	-192.44	-0.47	-2.24	N/A
7				2.34	-140.31	-0.47	1.95	N/A
8				11.69	-131.62	4.00	4.05	N/A
9				7.01	-114.25	1.76	4.05	N/A
10				21.03	-122.94	-0.47	4.05	N/A
11				-2.34	-62.12	1.76	-2.24	N/A
12				2.34	-166.38	-0.47	1.95	N/A
13				2.34	-183.75	1.76	1.95	N/A
14				7.01	-209.82	-0.47	12.44	N/A
15				7.01	-205.47	-0.47	-0.15	N/A
INSTRUMENTATION USED								
Model Inst/Det.	Serial Number	Calibration Due Date	Instrument % Efficiency	Total % Efficiency	MDC/MDA + (dpm/100cm ²)	Background + (dpm/100cm ²)		
2360	164692	6/23/2011	α 33.96%	α 8.49%	α 40.64	α 7.01		
43-68	PR216842		βγ 36.54%	βγ 9.14%	βγ 314.88	βγ 970.02		
Protean	0615068	7/9/2011	α 59.72%	α 14.93%	α 10.54	α 0.47		
			βγ 63.55%	βγ 15.89%	βγ 17.62	βγ 4.34		

Approve Reject (Reason and corrective actions – if rejected: _____)

EXAMPLE 3

Location	Exposure Rate ($\mu\text{R/hr}$)		Fixed + Removable (NET)			Removable (NE1)		Comments
	Contact	1 Meter	Gamma (cpm)	Alpha dpm/100cm ²	Beta/Gamma dpm/100cm ²	Alpha dpm/100cm ²	Beta/Gamma dpm/100cm ²	
1				14.38	-45.50	-0.40	-1.80	N/A
2				-4.18	-161.50	-0.40	-3.90	N/A
3				0.46	-241.80	-0.40	8.69	N/A
4				-4.18	-103.50	-0.40	0.29	N/A
5				-4.18	3.57	-0.40	-3.90	N/A
6				-8.82	-72.27	-0.40	2.39	N/A
7				5.10	-103.50	-0.40	-1.80	N/A
8				9.74	97.25	-0.40	10.78	N/A
9				5.10	8.03	1.83	-1.80	N/A
10				5.10	-103.50	-0.40	0.29	N/A
11				-4.18	-223.95	-0.40	0.29	N/A
12				-8.82	-139.19	-0.40	-1.80	N/A
13				0.46	-103.50	-0.40	2.39	N/A
14				0.46	-76.73	-0.40	10.78	N/A
15				-8.82	-99.04	-0.40	-1.80	N/A
16				-4.18	8.03	-0.40	2.39	N/A
17				-4.18	-174.88	4.06	2.39	N/A
18				9.74	12.49	4.06	4.49	N/A
19				5.10	-125.81	1.83	4.49	N/A
20				0.46	83.87	6.30	2.39	N/A
21				5.10	43.72	-0.40	8.69	N/A
22				-8.82	8.03	-0.40	-1.80	N/A
23				-8.82	-9.81	-0.40	-1.80	N/A
24				9.74	83.87	-0.40	0.29	N/A
25				-4.18	3.57	1.83	8.69	N/A

INSTRUMENTATION USED

Model Inst/Det.	Serial Number	Calibration Due Date	Instrument % Efficiency	Total % Efficiency	MDC/MDA + (dpm/100cm ²)	Background + (dpm/100cm ²)
2360 43-68	251039 21683B	9/10/2010	α 34.21%	α 8.55%	α 50.66	α 13.46
			$\beta\gamma$ 35.56%	$\beta\gamma$ 8.90%	$\beta\gamma$ 340.20	$\beta\gamma$ 1107.27
Protean	0615068	7/9/2011	α 59.72%	α 14.93%	α 10.25	α 0.40
			$\beta\gamma$ 63.55%	$\beta\gamma$ 15.89%	$\beta\gamma$ 17.03	$\beta\gamma$ 3.90

Approve Reject (Reason and corrective actions – if rejected: _____)

EXAMPLE 4

Sample Number	Exposure Rate		Fixed + Removable (NET)			Removable (NET)		Sample ID
	(μ R/hr)		Gamma (cpm)	Alpha (dpm/100cm ²)	Beta/Gamma (dpm/100cm ²)	Alpha (dpm/100cm ²)	Beta/Gamma (dpm/100cm ²)	
	Contact	1 Meter						
1			5566	-14.86	150.39	-0.47	11.73	
2			5927	-4.95	-40.37	1.76	-2.96	
3			7769	-14.86	150.39	1.76	1.24	
4			6456	-9.91	274.61	4.00	1.24	
5			5609	-14.86	3.99	1.76	5.43	
6			5613	9.91	132.64	-0.47	3.34	
7			7190	4.95	97.15	-0.47	5.43	
8			6108	-4.95	132.64	-0.47	3.34	
9			5697	-9.91	145.95	-0.47	7.53	
10			6625	0.00	119.34	-0.47	7.53	
11			5402	-14.86	429.88	-0.47	7.53	
12			6362	0.00	558.53	1.76	7.53	
13			5595	-4.95	159.26	-0.47	-2.96	
14			5826	-9.91	398.82	-0.47	1.24	
15			5175	0.00	443.18	-0.47	1.24	
16			4483	-9.91	8.43	-0.47	18.02	
17			4691	4.95	336.71	1.76	15.92	
18			4431	19.82	48.36	-0.47	1.24	
19			4923	-9.91	83.85	4.00	1.24	
20			4714	0.00	163.70	4.00	11.73	
21			4776	4.95	199.19	1.76	1.24	
22			4539	29.72	-66.99	1.76	5.43	
23			4437	19.82	-102.48	1.76	-2.96	
24			4731	0.00	203.63	-0.47	5.43	
25			4704	-9.91	66.10	6.23	1.24	
26			5247	9.91	270.17	-0.47	-0.86	
27			6260	9.91	43.92	-0.47	9.63	
28			4162	14.86	-58.12	1.76	9.63	
29			4602	4.95	208.06	-0.47	3.34	
30			4615	9.91	119.34	-0.47	-2.96	

INSTRUMENTATION USED

Model Inst/Det.	Serial Number	Calibration Due Date	Instrument % Efficiency	Total % Efficiency	MDC/MDA + (dpm/100cm ²)	Background + (dpm/100cm ²)
2360 43-68	259744	6/14/2011	α 32.04%	α 8.01%	α 60.94	α 19.82
	PR160119		β 35.78%	β 8.95%	β 391.50	β 1491.03
Protean	0615068	7/9/2011	α 69.72%	α 14.93%	α 10.64	α 0.47
			β 63.55%	β 15.89%	β 15.64	β 2.96
2350-1 44-10	95355 PR249926	6/22/2011				4.92 Kcpm

Approve Reject (Reason and corrective actions – if rejected: _____)

Subject: Collection of "Beta/Gamma Static" Measurements (and Representative Background Data)

Date: September 15, 2010

In reference to the subject line above and as indicated by my signature below, an understanding is acknowledged that standard protocol exists for the consistent collection of "beta/gamma static" measurements (and representative background data), that direct supervision is a resource to use in ensuring the correct protocol is satisfactorily selected and consistently implemented, and that full compliance will be maintained with data collection steps as established for this project -- including the timely reporting of observed discrepancies and any needs for corrective action(s):

Name - Company:	Signature:	Date:
Andrews, Susan - NWE		
(b)(7)(C) - RSRS		
(b)(7)(C) - RSRS		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - RSRS		
(b)(7)(C) - NWE		
(b)(7)(C) - RSRS		
(b)(7)(C) - RSRS		
(b)(7)(C) - RSRS		
(b)(7)(C) - RSRS		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - NWE		
(b)(7)(C) - RSRS		

EXAMPLE 5

Sample Number	Exposure Rate		Fixed + Removable (NET)			Removable (NET)		Remarks
	μR/hr	MicroR/hr	Count Rate (cpm)	Alpha (dpm/100cm ²)	Beta/Gamma (dpm/100cm ²)	Alpha (dpm/100cm ²)	Beta/Gamma (dpm/100cm ²)	
	Contact	Meter						
1			6729	13.82	-890.25	-0.27	5.56	
2			8006	5.92	-837.16	-0.27	13.95	
3			6671	9.87	-736.44	1.96	1.38	
4			6529	5.92	-817.02	4.20	1.38	
5			7354	1.97	-865.36	-0.27	-0.73	
6			7611	-1.97	-589.47	-0.27	1.36	

INSTRUMENTATION USED						
Model Ins/Det.	Serial Number	Calibration Due Date	Instrument % Efficiency	Total % Efficiency	MDC/MDA + (dpm/100cm ²)	Background + (dpm/100cm ²)
2350	185775	3/4/2011	α 40.20%	α 10.05%	α 40.88	α 9.87
43-68	095522		βγ 39.40%	βγ 9.85%	βγ 448.14	βγ 2182.74
Prolean	0615068	7/9/2011	α 59.72%	α 14.93%	α 9.60	α 0.27
			βγ 63.55%	βγ 15.89%	βγ 15.44	βγ 2.83
2350	09517	10/30/2010				7.76
43-68	211667					Kcpm

Approve Reject (Reason and corrective actions – if rejected: _____)

The intent of this memorandum is to document your understanding of the content within, that direct supervision is a resource to use in ensuring correct survey protocol is satisfactorily and consistently implemented, and that you will maintain full compliance with such data collection steps as established for this project – including the timely reporting of observed discrepancies and any need for corrective action(s). To indicate your understanding as such, please complete the appropriate sections beside your name on the sign-off form provided.

As always, feel free to stop by my office or contact me at [415 216-2742] if additional information, feedback, or discussion is needed.

REFERENCE 11

From: Lowman, Laurie L CIV SEA 04 04N [laurie.lowman@navy.mil]
Sent: Tuesday, October 05, 2010 7:40 AM
Subject: [b)(7)(C)] Slack, Matthew L CIV SEA 04 04N
Bowers, Bert; Whitcomb, James H CIV NAVFAC SW [b)(7)(C)]
Signed By: RE: RADIOLOGICAL AREAS UNDER CONTRACT [b)(7)(C)]
laurie.lowman@navy.mil

[b)(7)(C)]

I am trying to show the areas of responsibility for each of the contractor's at the time the MOU will be signed. If TtEC is responsible for all areas that are not covered by another contractor then that can be stated on a map but that would mean that it is your responsibility under your license to cover all those areas for any and all work performed in those areas whether or not it is radiological work. If there are areas that you are specifically contracted to perform radiological investigations then those need to be shown separately because you would be performing "intrusive work". Looking at the map you forwarded, I am not sure that all areas where you are contracted to perform radiological investigations are covered. It is more a matter of responsibility than radiological postings. I am trying to delineate areas of responsibility to eliminate problems not create them - all though it may seem otherwise at this point.

Also, I am concerned about the area of "joint TtEC/Shaw" jurisdiction. If RSY-2 is functioning then it would be TtEC's area. I can't see how the jurisdiction can be shared - particularly in regards to licensing.

Please take another look at the map - we can talk today if need be. I just need this signed earlier rather than later - especially with Shaw starting work.

Thanks,
LLL

-----Original Message-----

From: [b)(7)(C)]
Sent: Monday, October 04, 2010 20:03
To: Lowman, Laurie L CIV SEA 04 04N; Slack, Matthew L CIV SEA 04 04N
Cc: Bowers, Bert; Whitcomb, James H CIV NAVFAC SW; [b)(7)(C)]
Subject: FW: RADIOLOGICAL AREAS UNDER CONTRACT

Hi Laurie,

Matt told me you wanted TtEC to include a map of our areas in the revised MOU.

Maybe I'm over thinking this but there are several possibilities:

1) The attached figure overlays project specific locations/boundaries on the Basewide Rad Impacted map. The MOU would state that all areas not specifically shown fall under TtEC's NRC License

Another option is to show only the Shaw and EMS areas and state that everything else falls under TtEC?

REFERENCE 12

From: Bowers, Bert
Sent: Tuesday, October 12, 2010 2:18 PM
To: 'Schul, Raymond'
Subject: RE: Hunters Point: Field RAD Posting

...sometime between 9 & 10 AM yesterday morning.

BB

From: Schul, Raymond [mailto:raymond.schul@shawgrp.com]
Sent: Tuesday, October 12, 2010 2:01 PM
To: Bowers, Bert
Subject: RE: Hunters Point: Field RAD Posting

Bert,

What time did you see this? It was reported to the RCS earlier to fix this.

Ray

From: Bowers, Bert [mailto:Bert.Bowers@tetrattech.com]
Sent: Tuesday, October 12, 2010 1:51 PM
To: Schul, Raymond
Subject: Hunters Point: Field RAD Posting

Ray,

Just a friendly FYI "heads up" observation from the field while on the roadway between Dry Dock 4 and Gun Mole Pier.... as would be the case with me, I thought you'd want to know. Feel free to contact me if more information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(6) | Fax:

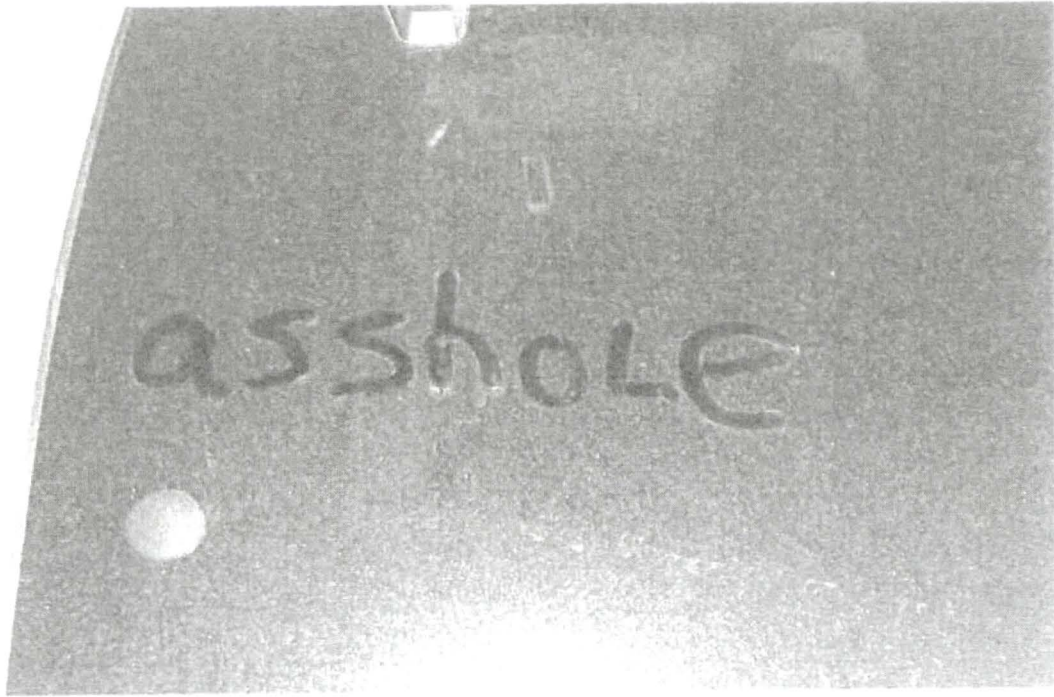
Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com



REFERENCE 13



HPS: Graffiti "As Found" – Management Parking Lot RSOR Project Vehicle (October 2010)

Note: Only Affected Vehicle in Entire Parking Lot

REFERENCE 14



Tetra Tech Project RSO, Bert Bowers, Hunters Point Naval Shipyard - July 2010 (establishing RAD posting configurations)

ELBERT "BERT" G. BOWERS

(b)(7)(C)

Work: (415) 216-2742

Cell:

(b)(7)(C)

PROFESSIONAL QUALIFICATIONS

Over 30 years of progressive experience in radiological surveillance and control, emergency preparedness, accredited training, and the supervision and management of safety oriented work. Highly developed management and control skills with a demonstrated ability to effectively train, supervise and direct a fluctuating technical staff with diverse backgrounds. Effectively manages and accomplishes multiple tasks with competing priorities. Reliably demonstrates an in-depth knowledge relevant to radiation safety and radioactive materials management, regulations, and standards as promulgated by the Environmental Protection Agency, Department of Energy, Department of Defense, Occupational Safety and Health Administration, and the Nuclear Regulatory Commission. Competent in the oversight of radiologically oriented tasks subject to regulatory requirements and practices unique to nuclear power plants, transuranic sites, CERCLA sites, and source and special nuclear materials facilities. Expertise in the oversight of contracts and work product while supporting the successful completion of project goals. Superior training/teaching skills with the ability to effectively communicate complex concepts to both technically and non-technically oriented groups. Strong analytical and problem-solving abilities augmented with persuasive written and verbal skills while demonstrating a high degree of proficiency in conflict-resolution and consensus building.

WORK HISTORY

2002 to Present Project Manager – Radiological Field Operations

New World Environmental, Inc., Livermore, CA

Responsibilities: Currently vested with management of the Hunters Point field project consisting of 44 employees, and implementation of contracts currently reflecting a combined annual worth of \$7.9 million. Radiological Safety Officer Representative (RSOR) tasked with regulatory compliance and oversight related to radiation and radioactive materials management and associated work activities at impacted sites (including naval facilities at Hunters Point and China Lake in California and Picatinny in New Jersey). Managing and directing NRC license compliance requirements including field implementation, support and oversight of MARSSIM based survey technologies and standards. Implement and administer the Thermoluminescent Dosimeter (TLD) program and enforce NRC license mandated protocols. Account for the implementation and enforcement of project-oriented contract directives and recommended corrective actions. Identify radiation safety issues, and initiate corrective action and follow-up activities. Review and apply radiation safety programs and practices to ensure adherence to ALARA (as low as reasonably achievable) concepts and principles.

Non Responsive

EDUCATION AND SPECIALIZED TRAINING

Non Responsive

RELEVANT PROJECT EXPERIENCE

Non Responsive

TETRA TECH

INTERIM LICENSE RSO

COPY



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BOULEVARD, SUITE 400
ARLINGTON, TEXAS 76011-4125

July 27, 2009

Tetra Tech EC, Inc.
ATTN: Elbert G. Bowers
Radiation Safety Officer
3200 George Washington Way
Suite G
Richland, Washington 99354

SUBJECT: LICENSE AMENDMENT

Please find enclosed Amendment No. 05 to NRC License No. 46-27767-01 naming **Elbert G. Bowers as Radiation Safety Officer**. An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14)(xvi). You should review this license carefully and be sure that you understand all conditions. You can contact me at 817-860-8189 if you have any questions about this license.

NRC's Regulatory Issue Summary (RIS) 2005-31, provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, NRC's official electronic document repository. The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/>. Pursuant to NRC's RIS 2005-31, the enclosed materials license will not be made publicly available in ADAMS.

Please note that the enclosed license will have the marking "Official Use Only - Security-Related Information". You are encouraged to limit distribution of this license to those individuals with a need to know and to protect your license from public disclosure.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your radiation safety program according to the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate by NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC in writing of any change in mailing address.
3. In accordance with 10 CFR 30.36(d), notify NRC, promptly, in writing within 60 days, and request termination of the license:
 - a. When you decide to terminate all activities involving materials authorized under the license whether at the entire site or any separate building or outdoor area;
 - b. If you decide not to acquire or possess and use authorized material; or

COPY

Tetra Tech EC, Inc.

-2-

- c. When no principal activities under the license have been conducted for a period of 24 months.
4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;
 - b. Order byproduct material in excess of the amount, radionuclide or form authorized on the license;
 - c. Add or change the areas or address(es) of use identified in the license application or on the license; or
 - d. Change the name or ownership of your organization.
5. Submit a complete renewal application or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

NRC will periodically inspect your radiation safety program. Failure to conduct your program according to NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the NRC Enforcement Policy. The NRC Enforcement Policy is available on the following internet address:
<http://www.nrc.gov/reading-rm/doc-collections/enforcement/>.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Thank you for your cooperation.

Sincerely,



Roberto J. Torres, Senior Health Physicist
Nuclear Materials Safety Branch B

Docket: 030-36414
License: 46-27767-01
Control: 472238

Enclosure: As stated

PROJECT RSO - HPS

COPY

April 15, 2009

**Subject: Tetra Tech EC, Inc.
Designation of Project Radiation Safety Officer
Hunters Point Shipyard
Materials License No. 46-27767-01
Docket Number 030-36414**

In accordance with license condition 11.A, the radiation safety officer has determined that Bert Bowers has the necessary training and experience described in Appendix H of NUREG 1556, Volume 18 to hold the position of Project Radiation Safety Officer for the Hunters Point Ship yard project.

As the Project Radiation Safety Officer, Bert Bowers has the authority and responsibility to ensure radiological safety and compliance with the TTEC radioactive materials license for the Hunters Point Shipyard project.

(b)(7)(C)



Tetra Tech EC, Inc.
3200 George Washington Way, Suite G
Richland, WA 99354

RESUME

EXPERIENCE SUMMARY

Over 30 years of progressive experience in radiological surveillance and control, emergency preparedness, accredited training, and the supervision and management of safety oriented work. Highly developed managerial and control skills with a demonstrated ability to effectively train, supervise and direct a fluctuating technical staff with diverse backgrounds. Proficient in high profile demands involving the oversight and completion of multiple tasks and competing priorities. Reliable demonstration of an in-depth knowledge relevant to radiation safety and radioactive materials management, regulations, and standards as promulgated by the Environmental Protection Agency, Department of Energy, Department of Defense, Occupational Safety and Health Administration, and the Nuclear Regulatory Commission. Competent in the oversight of radiologically oriented tasks subject to regulatory requirements and practices unique to nuclear power plants, transuranic sites, CERCLA projects, and source and special nuclear materials facilities. Expertise in the oversight of contracts and work product while supporting the successful completion of project goals. Superior training/teaching skills with the ability to effectively communicate complex concepts to both technically and non-technically oriented groups. Strong analytical and problem-solving abilities augmented with persuasive written and verbal skills while demonstrating a high degree of proficiency in conflict-resolution and consensus building.

EDUCATION

Non Responsive

CORPORATION PROJECT EXPERIENCE

Project Radiation Safety Officer, March 2009 - Present

Hunters Point Naval Shipyard, San Francisco, CA

Responsibilities: Vested with radiological management of the Hunters Point field project. Tasked with regulatory compliance and oversight related to radiation and radioactive materials management and associated work activities at impacted sites. Managing and directing NRC license compliance requirements including field implementation, support and oversight of MARSSIM based survey technologies and standards. Implementing and administering the Thermoluminescent Dosimetry (TLD) program and enforcing NRC license mandated protocols. Responsible for implementation and



Mr. Elbert G. Bowers, III
Radiation Safety Officer – Hunters Point Project

enforcement of project-oriented contract directives and recommended corrective actions as related to ongoing field activities. Resolve radiation safety issues, and conduct follow-up reviews to determine lessons learned effectiveness. Review and apply industry recognized radiation safety programs and practices to ensure adherence to ALARA (as low as reasonably achievable) concepts and principles. Assigned as interim Corporate License Radiation Safety Officer until identification / assignment of a permanent incumbent is complete.

PREVIOUS EXPERIENCE

Project Manager – Radiological Field Operations, November 2002 – March 2009
New World Environmental, Inc., Livermore, CA

Responsibilities: Vested with management of the Hunters Point field project consisting of 44 employees, and implementation of contracts reflecting a combined annual worth of \$7.9 million. Radiological Safety Officer Representative (RSOR) tasked with regulatory compliance and oversight related to radiation and radioactive materials management and associated work activities at impacted sites (including naval facilities at Hunters Point and China Lake in California and Picatinny in New Jersey). Managed and directed NRC license compliance requirements including field implementation, support and oversight of MARSSIM based survey technologies and standards. Implemented and administered the Thermoluminescent Dosimetry (TLD) program and enforced NRC license mandated protocols. Accounted for the implementation and enforcement of project-oriented contract directives and recommended corrective actions. Identified radiation safety issues, and initiated corrective action and follow-up activities. Reviewed and applied radiation safety programs and practices to ensure adherence to ALARA (as low as reasonably achievable) concepts and principles.

Non Responsive



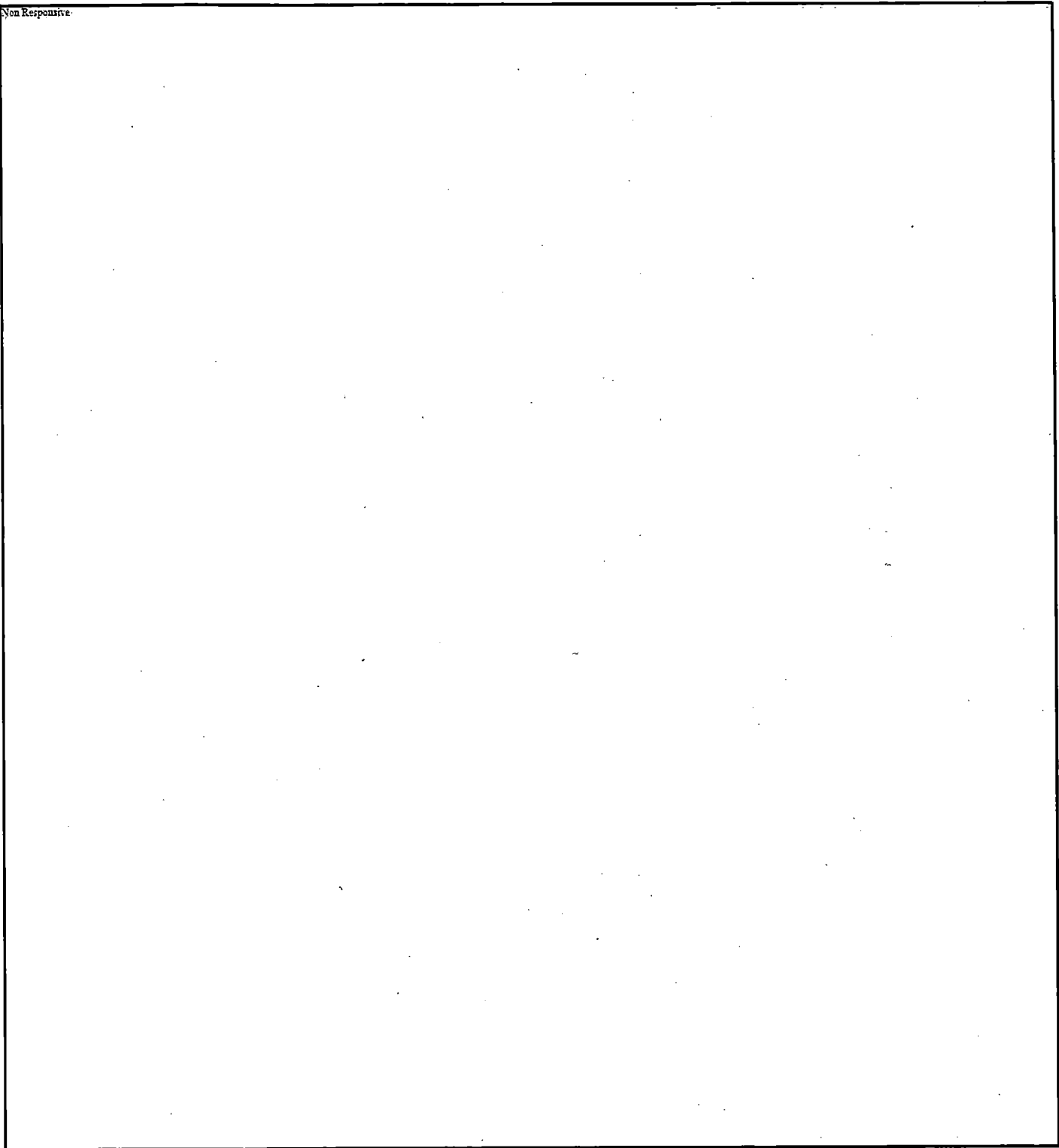
Mr. Elbert G. Bowers, III
Radiation Safety Officer – Hunters Point Project

Non Responsive



Mr. Elbert G. Bowers, III
Radiation Safety Officer – Hunters Point Project

Non Responsive



Mr. Elbert G. Bowers, III
Radiation Safety Officer – Hunters Point Project

Non Responsive

RELATED COMPANY INFORMATION

Payroll Number: (b)(7)(C)
Employment Status: Full
Preferred First Name: Bert
Office Location: Hunters Point (San Francisco, CA) Field Office
Hire Date: March 30, 2009
Years with Other Firms: >30
Years with Current Firm: 1
Total Years Experience: 31
Supervisor: (b)(7)(C)
Office Phone: 415 216-2742
Cell Phone: (b)(7)(C)
Fax: 415 216-2743
E-mail Address: Bert.Bowers@tteci.com
Other E-mail Address (if any): (b)(7)(C)
Resume Last Revised: May 29, 2009



NEW WORLD



New World Environmental Inc., d.b.a.

New World Technology *Bringing you the Technology of the New World*

Phone: 925-443-7967 Fax: 925-443-0119

COPY

January 26, 2004

(b)(7)(C)

New World Technology
448 Commerce Way
Livermore, CA 94551

Subject: Hunters Point Radiation Safety Office Representative

Doc,

As required in section 1.D.4 of the New World Technology Radiological Health Program Manual, I would like to designate Mr. Bert Bowers as the on-site Radiation Safety Office Representative (RSOR). Mr. Bowers would be responsible for administering the Radiological Health Program for the Hunters Point field site.

Mr. Bowers has over 25 years of experience in the nuclear industry. He has previously worked at the Hunters Point site and is familiar with the radiological aspects of the site. Please courtesy copy Mr. Bowers on all license and radiological health program issues. Mr. Bowers email is (b)(7)(C)

If you have any questions or need further assistance, please feel free to contact me at (b)(7)(C) (b)(7)(C) (work) or (b)(7)(C) (mobile). Mr. Bowers can be reached at (415) 216-2742

Sincerely,

(b)(7)(C)

Hunters Point Project

cc:

(b)(7)(C)

BBowers

(b)(7)(C)



New World Environmental Inc., d.b.a.

New World Technology *Bringing you the Technology of the New World*

Phone: 925-443-7967 Fax: 925-443-0119

COPY

January 26, 2004

Mr. Bert Bowers,
Radiation Safety Officer Representative
Hunters Point NSY Project
New World Technology
448 Commerce Way
Livermore, CA 94551

Subject: Project Radiation Safety Officer Representative, letter of designation

Mr. Bowers,

At the request of the Hunters Point Project Manager, I have reviewed your Radiation Safety Program qualifications. In accordance with section 1.D.4 of the New World Technology Radiological Health Program Manual you are found qualified to perform as an RSOR. Therefore, you are hereby designated as the on-site Hunters Point Radiation Safety Officer Representative (RSOR).

In the capacity of RSOR you are directly responsible to the Corporate RSO for the administration of the Radiological Health Program at the Hunters Point field site. All program and license related correspondence is to be directed through the office of the Corporate RSO.

All licensed activities are to be conducted in accordance with the NWT RHPM and NRC Radioactive Materials License # 04-27745-01. The proper administration of the Radiation Safety Program requires thorough understanding and cooperation from all personnel performing under our license conditions. It is our responsibility as the program managers to ensure this is achieved.

Should you have any questions please do not hesitate to contact me directly. Thank you for your willingness to take on this responsibility and "Welcome Aboard".

Sincerely,

(b)(7)(C)

cc:

(b)(7)(C)

RSO File

448 Commerce Way, Livermore, CA 94551-5215

RESUME



New World Environmental Inc., d.b.a.

New World Technology *Bringing you the Technology of the New World*

Phone: (b)(7)(C)

Fax: 925-443-0119

Bowers, Elbert G.
Project Manager; Radiological Field Operations
New World Environmental, Inc. d.b.a. New World Technology
Livermore, CA

NWT Hire Date: 1/ 28/ 02

Employment Work History
New World Environmental, Inc., Livermore, CA
January 2002 -- present
(Hunters Point / China Lake / Picatinny Naval Facilities)

Non Responsive

Non Responsive

448 Commerce Way, Livermore, CA 94551-5215

New World Environmental Inc., d.b.a.

New World Technology *Bringing you the Technology of the New World* Con't

Elbert Bowers

Non Responsive.

448 Commerce Way, Livermore, CA 94551-5215

New World Environmental Inc., d.b.a.

New World Technology *Bringing you the Technology of the New World* Con't

Elbert Bowers

Non Responsive

448 Commerce Way, Livermore, CA 94551-5215

New World Environmental Inc., d.b.a.

New World Technology *Bringing you the Technology of the New World* Con't

Elbert Bowers

Non Responsive

448 Commerce Way, Livermore, CA 94551-5215

APPLICATION

COPY

State of California-Health and Human Services Agency

Department of Health Services

STATEMENT OF TRAINING AND EXPERIENCE

(Use additional sheets as necessary) ✓

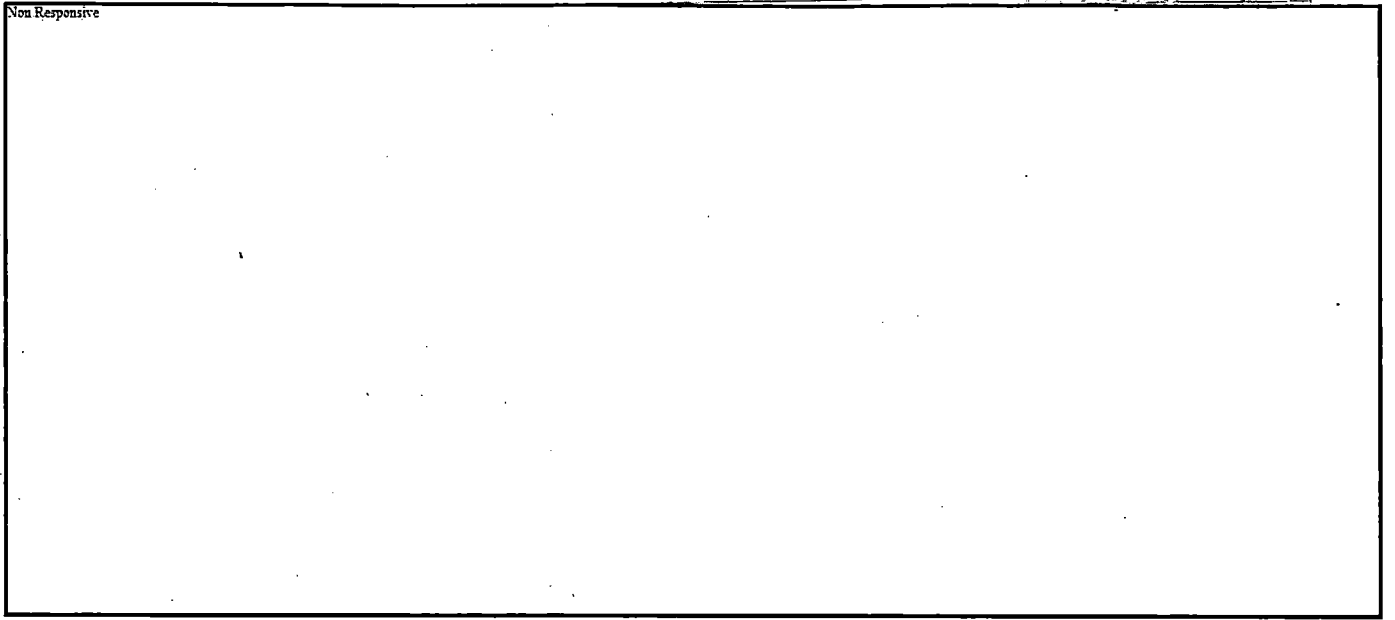
Instructions: Each individual proposing to use radioactive material is required to submit a Statement of Training and Experience in duplicate to Radiologic Health Branch, 714/744 P Street, MS 178, P.O. Box 942732, Sacramento, CA 94234-7320. Physicians should request form RH 2000 A when applying for human-use authorizations. Radiographers should request form RH 2050 IR.

Non Responsive

Non Responsive

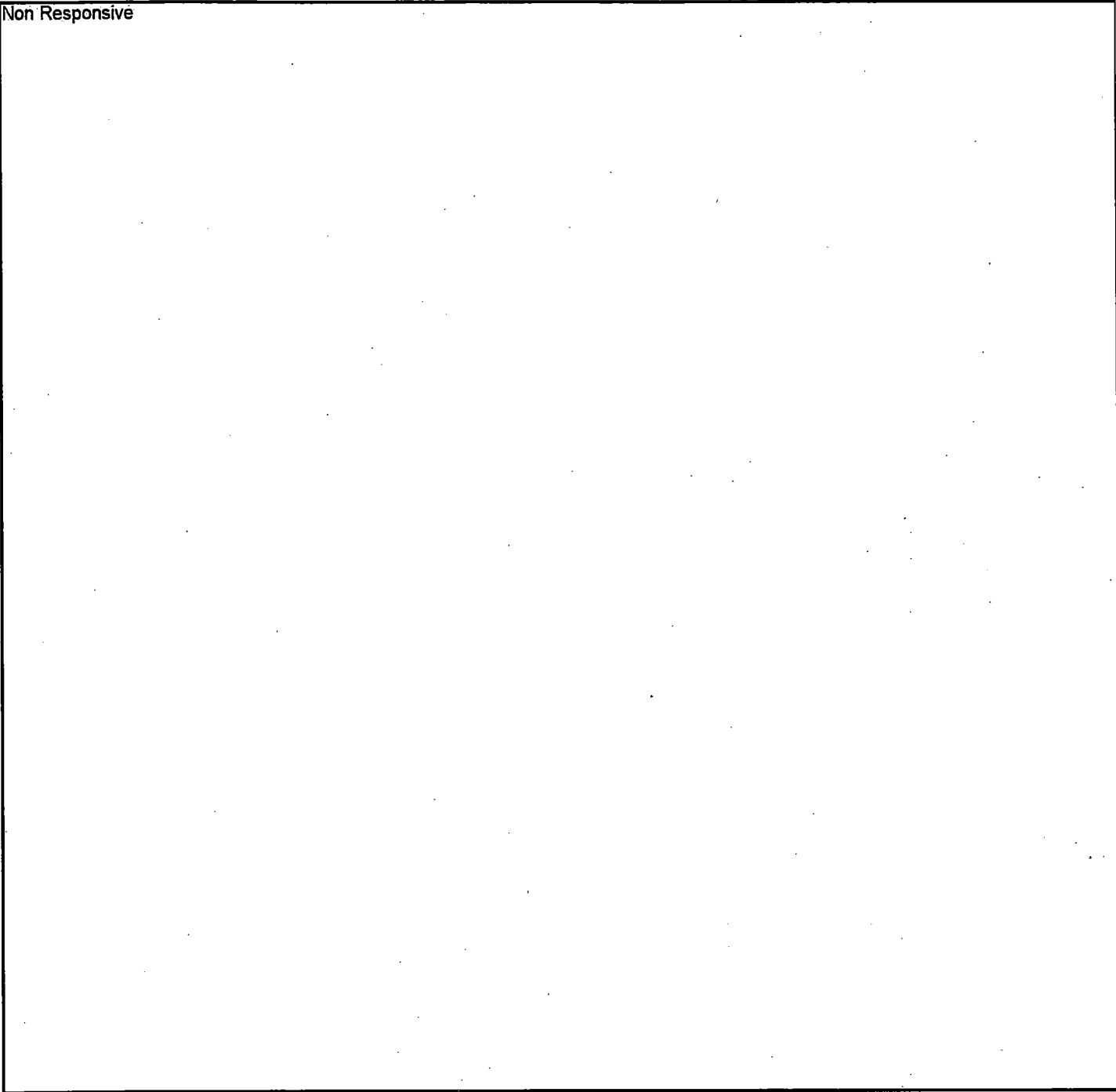
[Empty response area]

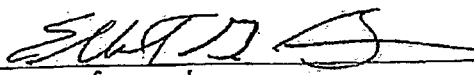
Non Responsive

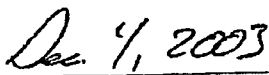


COPY

Non Responsive

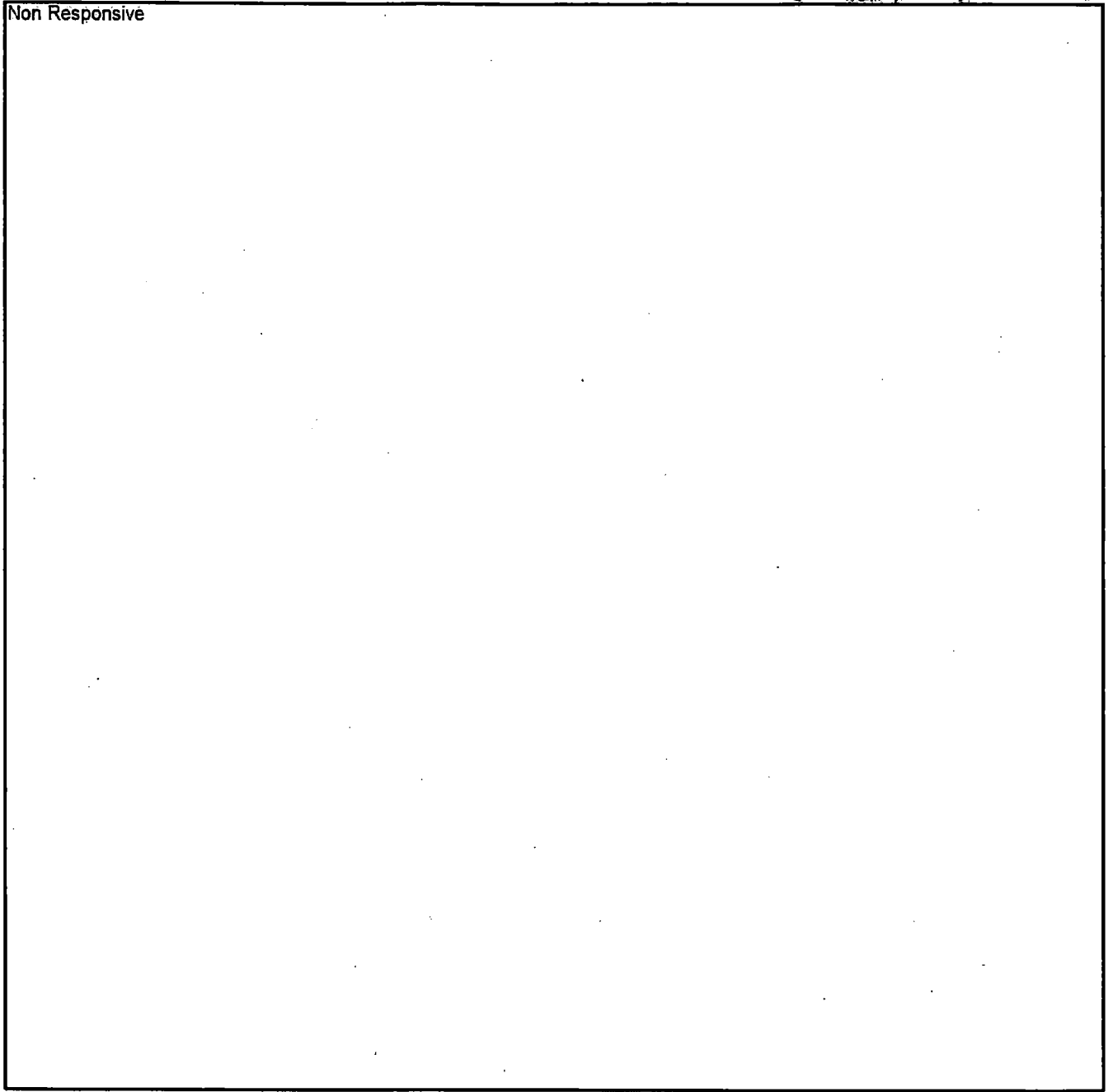



Signature of proposed user


Date

COPY

Non Responsive



REFERENCE 15

From: Bowers, Bert
Sent: Monday, November 08, 2010 3:10 PM
To: thom@emshq.net
Cc: 'Jeremy Whatley'
Subject: Hunters Point: RAD Integrity Field Check, 110510

Hi Thom -

Just a heads up in reference to the subject line above... (b)(7)(C) and I conducted a field check at shifts end last Friday... while driving past the EMS RCA near Bldg 211/253 we observed a weathered posting attached to the fence on the back side of your area. There are also multiple "old vintage" interior signs attached to rad rope that display that terrible word "Caucion" instead of "Precaucion". Thought you'd want to know... picture's are attached for reference if needed. (FYI, Tetra Tech is in the process of transitioning from the "old vintage" RAD signs to new ones that reflect the word "Precaucion" - as preferred by the Navy).

As always, feel free to contact me if additional information or feedback is needed.

Regards,

Bert

Bert Bowers | Radiation Safety Officer Representative

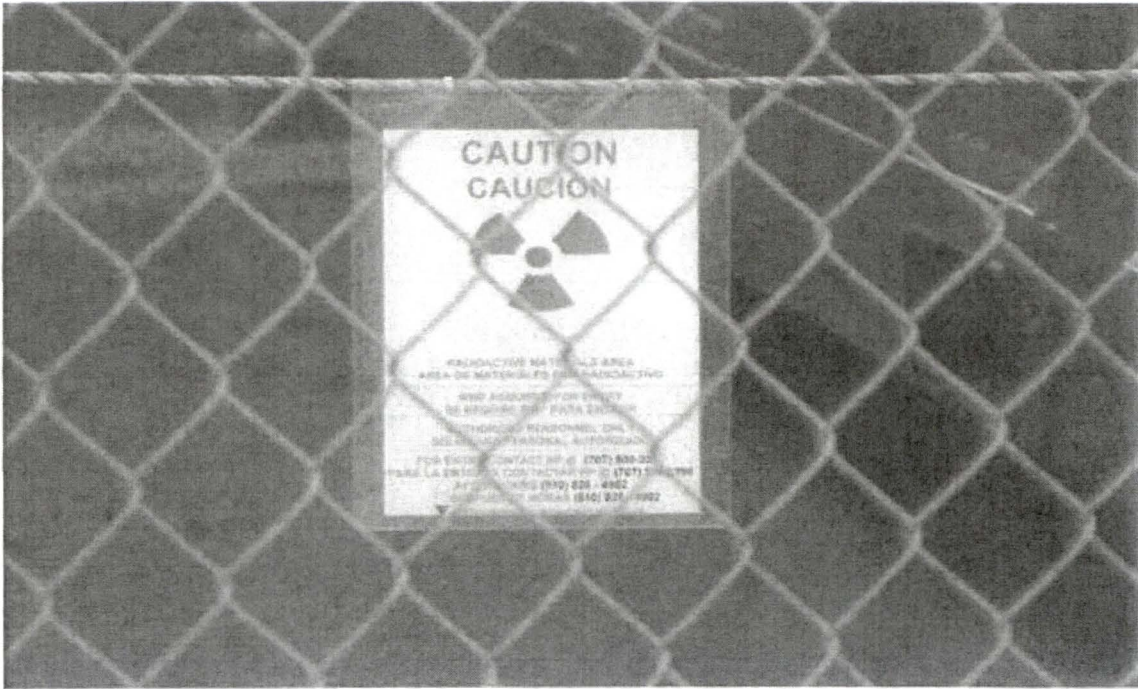
Direct: (b)(7)(C) 415.216.2743 Alternate: (b)(7)(C) Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax:

Bert.Bowers@tetrattech.com

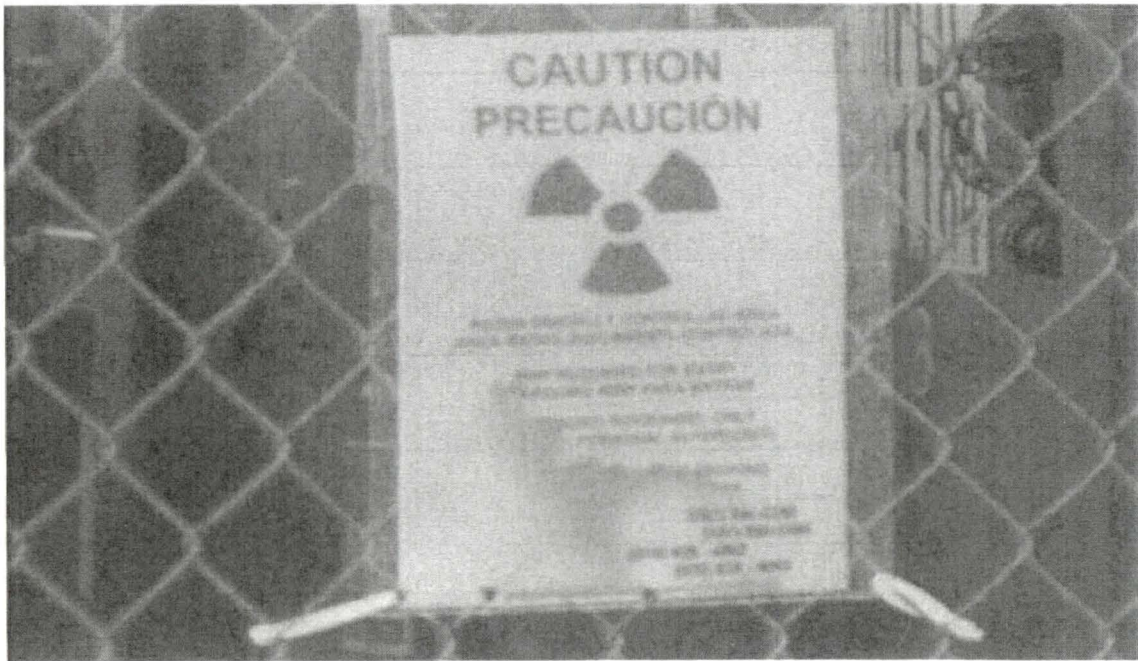
Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

=

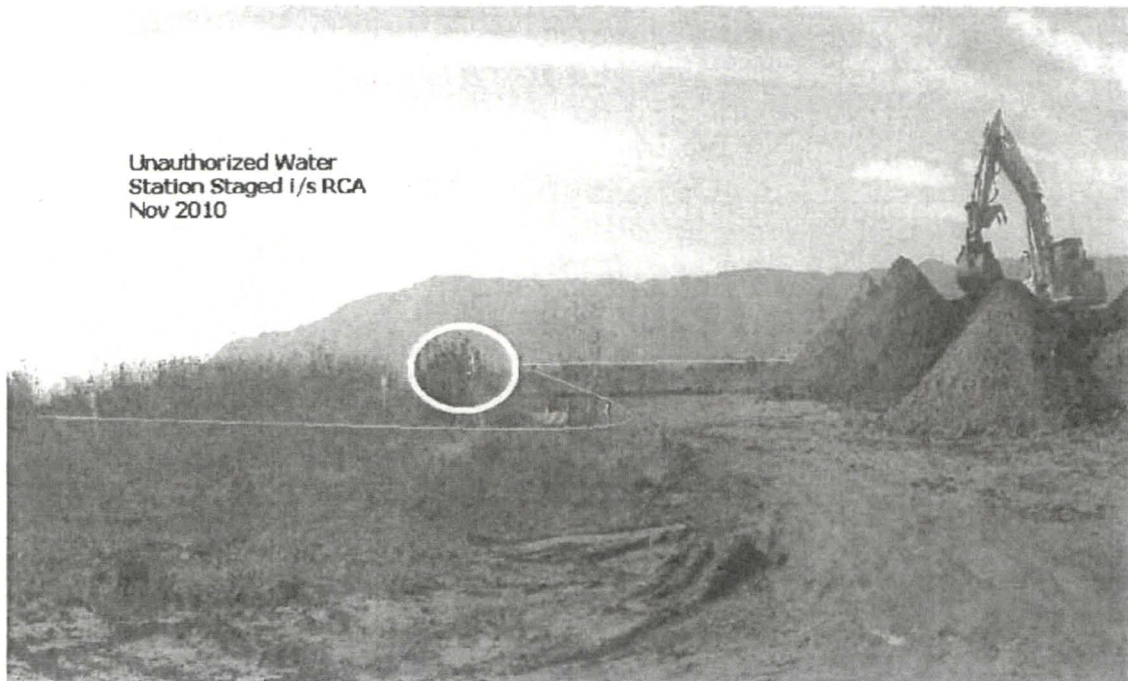


HPS: EMS RCA Posting 1 "As Found" on 11.5.10 (EMS Management Notified)

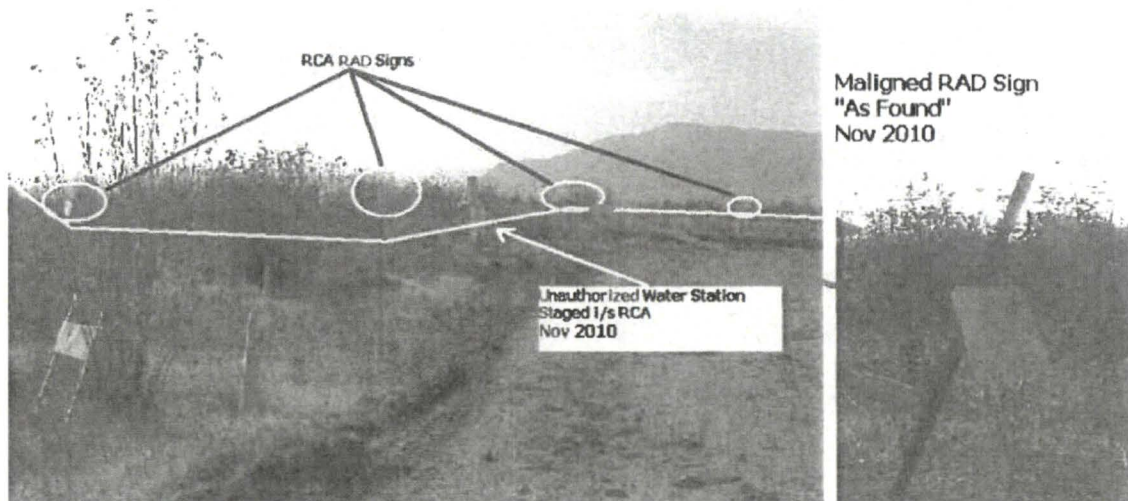


HPS: EMS RCA Posting 2 "As Found" on 11.5.10 (EMS Management Notified)

Hunters Point: RSOR RAD Integrity Field Check - November 2010



Parcel E at Mill Peninsula Import Pile "as found" angle #1



Parcel E at Mill Peninsula Import Pile "as found" angle #2

REFERENCE 16

From: Bowers, Bert

Sent: Wednesday, November 10, 2010 9:33 AM

To: (b)(7)(C)

Cc:

Subject: Non
Responsi Current Charging Discrepancies to Tetra Tech CC for Services Rendered

Non Responsive.

Regards,

Bert

=

REFERENCE 17

From: Bowers, Bert
Sent: Wednesday, November 17, 2010 9:20 AM
To: Susan Andrews
Subject: RE: ITSI at Portal Monitor-11-18-10

...thanks Susan

From: Susan Andrews [mailto:susana@newworld.org]
Sent: Wednesday, November 17, 2010 9:06 AM
To: Bowers, Bert; (b)(7)(C)
Cc: (b)(7)(C)
Subject: ITSI at Portal Monitor-11-18-10

Hello, (b)(7)(C), phoned me at 0856 today and informed me that he had 2 bins coming out of the Shaw Gunmole Pier area tomorrow. The truck would arrive at the Portal Monitor at 0800 on 11-18-10.

Thanks, Susan Andrews for (b)(7)(C)

=

REFERENCE 18

From: Bowers, Bert

Sent: Thursday, November 18, 2010 11:59 AM

To: (b)(7)(C)

Subject: HPS Parcel E Field Pics 111810

...for reference / discussion as needed.

Bert

=



View 1 of 6: Parcel E Impacted Area "As Discovered" – Unauthorized Water Station Staged Inside RCA (w/ RAD Signage Compromise) 11.18.11



View 2 of 6: Parcel E Impacted Area "As Discovered" – Unauthorized Water Station Staged Inside RCA (w/ RAD Signage Compromise) 11.18.11



View 3 of 6: Parcel E Impacted Area "As Discovered" – Unauthorized Water Station Staged Inside RCA (w/ RAD Signage Compromise) 11.18.11



View 4 of 6: Parcel E Impacted Area "As Discovered" – Unauthorized Water Station Staged Inside RCA (w/ RAD Signage Compromise) 11.18.11



View 5 of 6: Parcel E Impacted Area "As Discovered" – Unauthorized Water Station Staged Inside RCA (w/ RAD Signage Compromise) 11.18.11



View 6 of 6: Parcel E Impacted Area "As Discovered" – Unauthorized Water Station Staged Inside RCA (w/ RAD Signage Compromise) 11.18.11

REFERENCE 19

From: Bowers, Bert
Sent: Wednesday, November 24, 2010 10:44 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: Hunters Point: Parcel E Fire Inside Established RCA at MDR Shoreline

(b)(7)(C)

In reference to the subject line above - and for your consideration regarding pre-established RASO notifications, pictures of observed conditions involving the shoreline fire are attached. The observations were made at ~0710 hrs. A summary of events follows:

This morning at ~ 0705 hrs during the safety tailgate, Shaw personnel under the direction of (b)(7)(C) informed Tetra Tech of a burning fire inside the RCA along the MDR shoreline. Upon responding to the area, (b)(7)(C) was already at the location along with members of his staff. (b)(7)(C) and (b)(7)(C) responded along with me for Tetra Tech. As detailed in the attached photos, it appears trespassers accessed the shoreline area with the intent of burning insulation from observed copper cable present with other shoreline rubble (see photo a).

According to (b)(7)(C) a Shaw water truck driver informed him of smoke originating from the shoreline area at ~ 0655 hrs. (b)(7)(C) arranged for the staging of a water truck and the fire was doused at ~ 7015 hrs. (b)(7)(C) was asked to secure equipment necessary to pull an air sample from the immediate area as well.

Likewise, spot checks were performed to ensure radiological integrity in the area (see photo b) and periodic visual checks for trespassers will continue throughout the day. Once results of the air sample become available, you will be advised accordingly.

(Note: Later this morning at ~ 0900 hrs, (b)(7)(C) arrived to inquire about the fire at which point I escorted him to inspect the area. The fire was completely out at that time [see photo c].)

As always, feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tteci.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com
<http://www.tteci.com/>

=



HPS: Photo "1 of 3" to EA re: Parcel E Shoreline Fire Event 112410



HPS: Photo "2 of 3" to EA re: Parcel E Shoreline Fire Event 112410



HPS: Photo "3 of 3" to EA re: Parcel E Shoreline Fire Event 112410

REFERENCE 20

From: Bowers, Bert
Sent: Wednesday, November 24, 2010 12:13 PM
To: (b)(7)(C)
Cc: [redacted]
Subject: Hunters Point: Follow-Up to Parcel E Fire Inside Established RCA at MDR Shoreline

(b)(7)(C)

In reference to the subject line above - and as follow up to our last conversation, representatives of the San Francisco FD arrived at Hunters Point at ~11:15 hrs to assess areas along the affected shoreline (currently submerged in water). (b)(7)(C) confirmed that the earlier fire was completely extinguished. (Two photos related to this effort are attached.)

Feel free to contact me if additional information or feedback is needed..... and Happy Thanksgiving!

Regards;

From: Bowers, Bert
Sent: Wednesday, November 24, 2010 10:44 AM
To: (b)(7)(C)
Cc: [redacted]
Subject: Hunters Point: Parcel E Fire Inside Established RCA at MDR Shoreline

(b)(7)(C)

In reference to the subject line above - and for your consideration regarding pre-established RASO notifications, pictures of observed conditions involving the shoreline fire are attached. The observations were made at ~0710 hrs. A summary of events follows:

This morning at ~ 0705 hrs during the safety tailgate, Shaw personnel under the direction of (b)(7)(C) informed Tetra Tech of a burning fire inside the RCA along the MDR shoreline. Upon responding to the area, (b)(7)(C) was already at the location along with members of his staff. (b)(7)(C) responded along with me for Tetra Tech. As detailed in the attached photos, it appears trespassers accessed the shoreline area with the intent of burning insulation from observed copper cable present with other shoreline rubble (see photo a).

According to (b)(7)(C) a Shaw water truck driver informed him of smoke originating from the shoreline area at ~ 0655 hrs. (b)(7)(C) arranged for the staging of a water truck and the fire was doused at ~ 7015 hrs. (b)(7)(C) was asked to secure equipment necessary to pull an air sample from the immediate area as well.

Likewise, spot checks were performed to ensure radiological integrity in the area (see photo b) and periodic visual checks for trespassers will continue throughout the day. Once results of the air sample becomes available, you will be advised accordingly.

(Note: Later this morning at ~ 0900 hrs (b)(7)(C) arrived to inquire about the fire at which point I escorted him to inspect the area. The fire was completely out at that time [see photo c].)

As always, feel free to contact me if additional information or feedback is needed.

Regards;

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@ttec.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.ttec.com <http://www.ttec.com/>

=

From: Bowers, Bert

Sent: Wednesday, November 24, 2010 3:39 PM

To: (b)(7)(C)

Subject: Hunters Point: Follow up to "Burning Wire Rope on MDR Shoreline"

(b)(7)(C)

Thanks for your pro-active approach today in getting the shoreline event under control. In order to put final closure on the event and document all actions taken to do so, please forward over the results of the air sample pulled from the shoreline area (when available from the lab).... will also need the survey report covering what was extracted from the affected area (cable and anything else removed, "in and out" check of the equip used, etc).... see highlighted sections below.

Thanks again for the effort and have a great Thanksgiving break!

Bert

From: (b)(7)(C)

Sent: Wednesday, November 24, 2010 1:56 PM

To: (b)(7)(C) CIV OASN (EI&E), BRAC PMO West; (b)(7)(C) CIV OASN (I&E) BRAC PMO West"; (b)(7)(C) CIV NAVFAC SW; (b)(7)(C) CTR OASN (EI&E), BRAC PMO West; Lowman, Laurie L CIV SEA 04 04N

Cc: (b)(7)(C) CIV OASN (EI&E), BRAC PMO West; (b)(7)(C) CIV OASN (EI&E), BRAC PMO West

Subject: Burning Wire Rope on MDR Shoreline

Here is a summary of the events that I pieced together from several sources concerning the burning wire rope along the MDR shoreline:

0655 A Shaw water truck driver informed (b)(7)(C) that smoke was originating from the MDR shoreline.

0705 (b)(7)(C) informed Tetra Tech of a fire inside the RCA along the MDR shoreline.

0710 Tt arrived on scene and (b)(7)(C) had the Shaw water truck dousing the fire, it was extinguished by 0715.

Due the presence of smoke from the smoldering wire, (b)(7)(C) secured the equipment necessary to pull an air sample from the immediate area. We will forward the air sample results once available.

0900 (b)(7)(C) arrived to inquire about the fire at which point Bert Bowers escorted him to inspect the area. The fire was completely out at that time.

1000 TtEC was directed to contact the SF Fire Department and request that they respond.

1115 The San Francisco FD arrived at Hunters Point to assess areas along the affected shoreline (currently submerged in water). (b)(7)(C) SFPD, confirmed that the earlier fire was completely extinguished.

1150 I was informed that unidentified individuals approached the MDR shoreline in a boat when they observed the Tt staff they immediately departed the area. I directed the Tt (b)(7)(C) to frisk the burnt wire rope out of the RCA and to secure the material.

We can place the metal it in the CSO metal bin next week.

I appreciate Shaw's help with this matter, let me know if you have any questions.

(b)(7)(C) sends...

(b)(7)(C)

Direct: (b)(7)(C) | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech | Remediation

200 Fisher Avenue | San Francisco, CA 94124 | www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

=

From: Bowers, Bert

Sent: Wednesday, November 24, 2010 12:18 PM

To: (b)(7)(C)

Subject: FW: Hunters Point: Follow-Up to Parcel E Fire Inside Established RCA at MDR Shoreline

Gentlemen,

FYI per existing MOU protocol.... feel free to contact me if additional information or feedback is needed.

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

From: Bowers, Bert

Sent: Wednesday, November 24, 2010 12:13 PM

To: (b)(7)(C)

Cc:

Subject: Hunters Point: Follow-Up to Parcel E Fire Inside Established RCA at MDR Shoreline

(b)(7)(C)

In reference to the subject line above - and as follow up to our last conversation, representatives of the San Francisco FD arrived at Hunters Point at ~1115 hrs to assess areas along the affected shoreline (currently submerged in water). (b)(7)(C) SFPD confirmed that the earlier fire was completely extinguished. (Two photos related to this effort are attached.)

Feel free to contact me if additional information or feedback is needed..... and Happy Thanksgiving!

Regards,

From: Bowers, Bert

Sent: Wednesday, November 24, 2010 10:44 AM

To: (b)(7)(C)

Cc: (b)(7)(C)

Subject: Hunters Point: Parcel E Fire Inside Established RCA at MDR Shoreline

(b)(7)(C)

In reference to the subject line above - and for your consideration regarding pre-established RASO notifications, pictures of observed conditions involving the shoreline fire are attached. The observations were made at ~0710 hrs. A summary of events follows:

This morning at ~ 0705 hrs during the safety tailgate, Shaw personnel under the direction of [REDACTED] informed Tetra Tech of a burning fire inside the RCA along the MDR shoreline. Upon responding to the area, [REDACTED] was already at the location along with members of his staff. [REDACTED] responded along with me for Tetra Tech. As detailed in the attached photos, it appears trespassers accessed the shoreline area with the intent of burning insulation from observed copper cable present with other shoreline rubble (see photo a).

According to [REDACTED] a Shaw water truck driver informed him of smoke originating from the shoreline area at ~ 0655 hrs. [REDACTED] arranged for the staging of a water truck and the fire was doused at ~ 7015 hrs. [REDACTED] was asked to secure equipment necessary to pull an air sample from the immediate area as well.

Likewise, spot checks were performed to ensure radiological integrity in the area (see photo b) and periodic visual checks for trespassers will continue throughout the day. Once results of the air sample becomes available, you will be advised accordingly.

(Note: Later this morning at ~ 0900 hrs, [REDACTED] arrived to inquire about the fire at which point I escorted him to inspect the area. The fire was completely out at that time [see photo c].)

As always, feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative

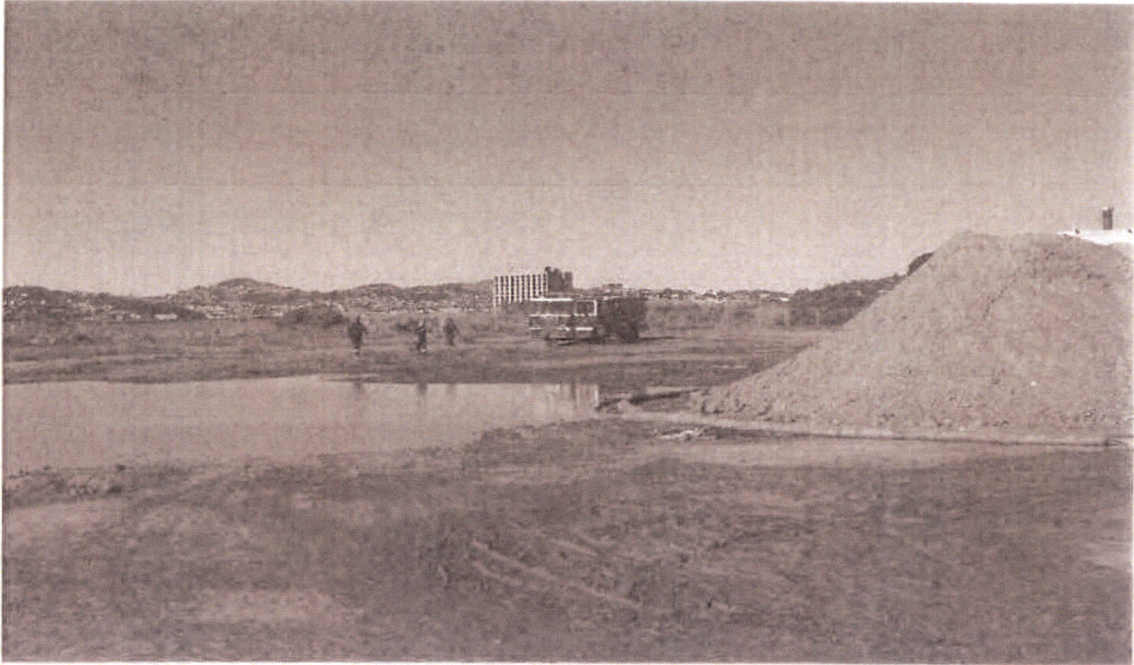
Direct: [REDACTED] Alternate: [REDACTED] Main: 415.671.1990 | Mobile: [REDACTED] Fax: [REDACTED]
415.216.2743

Bert.Bowers@ttec.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.ttec.com
<http://www.ttec.com/>

=

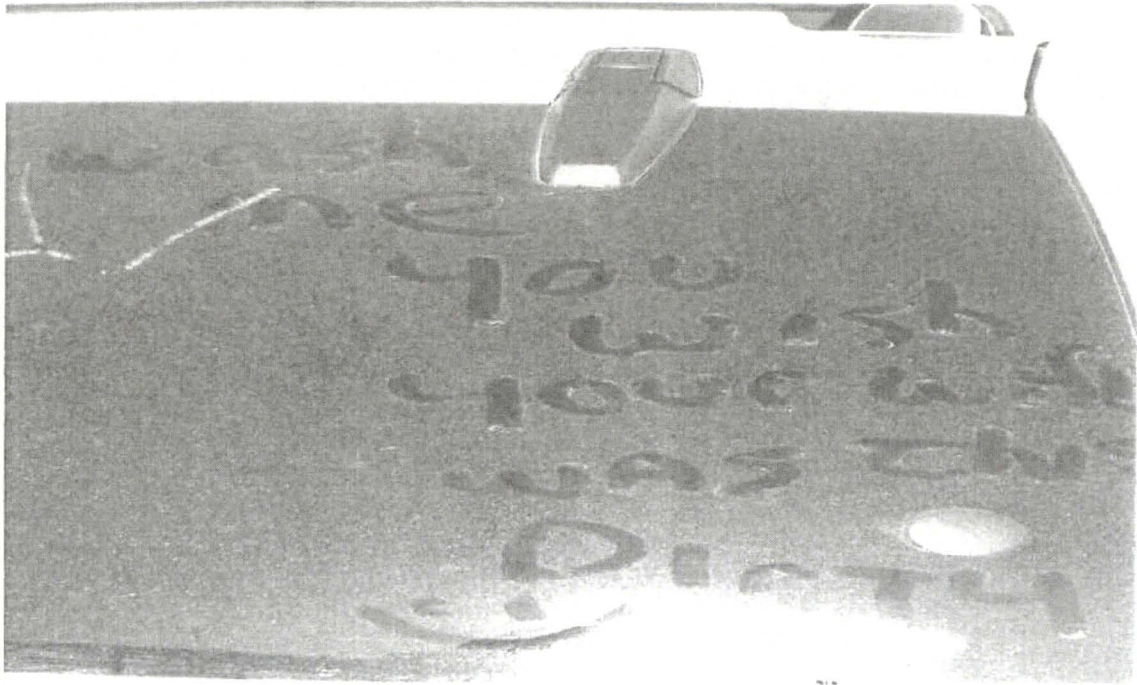


Hunters Point: Parcel E "Post Shoreline Fire" Inspection by SFFD (Photo 1 of 2)

(b)(7)(C)

Hunters Point: Parcel E "Post Shoreline Fire" Inspection by SFFD (Photo 2 of 2)

REFERENCE 21



HPS: Graffiti "As Found" – Management Parking Lot RSOR Project Vehicle (November 2010)

Note: Only Affected Vehicle in Entire Parking Lot

REFERENCE 22



HPS Parcel E "Non-Impacted" Throughway: "As Found" by TTEC RSO Representative after receipt of field call concerning Shaw's "IR-02" Construction Site and the staging of "clean" import fill inside established RCA (no RAD technician present to control work / monitor equipment going in/out of RCA), Shaw RSO Representative notified / corrective actions instituted; Angle 1, December 1, 2010



HPS Parcel E "Non-Impacted" Throughway: "As Found" by TTEC RSO Representative after receipt of field call concerning Shaw's "IR-02" Construction Site and the staging of "clean" import fill inside established RCA (no RAD technician present to control work / monitor equipment going in/out of RCA), Shaw RSO Representative notified / corrective actions instituted; Angle 2, December 1, 2010



HPS Parcel E "Non-Impacted" Throughway: "As Found" by TtEQ RSO Representative after receipt of field call concerning Shaw's "IR-02" Construction Site and the staging of "clean" import fill inside established RCA (no RAD technician present to control work / monitor equipment going in/out of RCA), Shaw RSO Representative notified / corrective actions instituted; Angle 3, December 1, 2010



HPS Parcel E "Non-Impacted" Throughway: "As Found" by TtEQ RSO Representative after receipt of field call concerning Shaw's "IR-02" Construction Site and the staging of "clean" import fill inside established RCA (no RAD technician present to control work / monitor equipment going in/out of RCA), Shaw RSO Representative notified / corrective actions instituted; Angle 4, December 1, 2010

REFERENCE 23

From: Nelson, Glen A CTR OASN (EI&E), BRAC PMO West [mailto:glen.nelson.ctr@navy.mil]
Sent: Wednesday, December 08, 2010 11:00 AM
To: (b)(7)(C)
Subject: Film Shoot at HP on 12-13-2010

Hi (b)(7)(C) Bert, (b)(7)(C)

Flight 33 Productions will be filming at HP on 12-13-2010 in buildings B411, B251, B302 and B231 -None of which I find RAD issues. Tetra-Tech may need to have an escort on site. Your call. They arrive at 0700.

Film Crew...

(b)(7)(C)

Thanks,

-Glen

Hello... I'm a documentary producer with Flight 33 Productions - the company behind The History Channel's LIFE AFTER PEOPLE Special - the Emmy nominated and highest rated show ever for The History Channel. Flight 33 continued the success of that show with two full seasons of LIFE AFTER PEOPLE The Series.

You were very kind to help us out with that series and we were hoping to do it again.

This time around, we will be producing one of the first series for the new Discovery Channel 3D Network - called Abandoned Planet. Much like Life After People, this new show will take its viewers to places forgotten by time... buildings, compounds and even entire cities abandoned by humans for years. Each location is a real site - once mobbed by people, now empty. We'll find out why the place once boomed - and why everyone left. Survivors and former residents will return... to walk the empty streets and explore the abandoned hallways... and explain

why the place is now empty. We'll visit the empty streets of the city of Chernobyl, Russia... the lost city of Kolmanskop in the Namibian desert... the 'geological instability' of Balestrino, Italy, and the surprising number of America's abandoned cities and ghost towns. From all over the world, ABANDONED PLANET will reveal cities devoid of humanity.

For this new show, we are looking to visit Hunters Point, once again, and possibly other decommissioned bases in the area. Most likely, we'll be working on a schedule to shoot there late November, early December.

At your earliest convenience, can you get back to me to start a dialogue on this request? I've also emailed (b)(7)(C) on this subject. I look forward to possibly working with you again.

Best,

(b)(7)(C)

REFERENCE 24

From: Bowers, Bert

Sent: Thursday, December 16, 2010 1:26 PM

To: (b)(7)(C)

(b)(7)(C)

Cc: (b)(7)(C)

(b)(7)(C)

Subject: TtECI, Hunters Point: Upcoming Holiday Stand Down...

All,

Regarding the subject line above, 2010 end-of-year field activities – including those subject to radiological support under TtECI's NRC Material License # 29-31396-01, are scheduled to wrap up on Friday, December 17, 2010. A planned two week stand down will be in effect thereafter for the holidays.

Before beginning the stand down, it is important that all personnel with dosimetry assigned under TtECI's monitoring program* place their "4th quarter 2010" devices on a designated badge rack. Dosimetry badge racks recognized for this purpose are located just inside either of the two entrances to the TtEC management trailers; another is available at the Building 400 meeting area (just inside the main access door).

During the stand down, dosimetry will be changed out to meet protocol specific to the upcoming "1st Quarter 2011" wear period. After the holidays and upon return to the project (Monday, January 3, 2011), new dosimetry can be picked up at the same badge rack where "4th quarter 2010" dosimetry was left.

Thanks in advance for your help in ensuring the aforementioned needs are met, thus providing for a smooth transition into 2011. As always, feel free to contact me if additional information or feedback is needed.

Bert

* TtEC, RSRS, NWE, Shaw, Kleinfelder, ERRG and ITSI personnel (including subcontractors) using dosimetry devices issued by TtEC

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

=



TETRA TECH EC, INC.

HUNTERS POINT SHIPYARD
Emergency Contact List
December 18, 2010 - January 2, 2011

Name	Position	Contact Number	
(b)(7)(C)			
Bert Bowers	Rad. Safety Officer Rep.	(b)(7)(C)	Cell Home
(b)(7)(C)			

From: Bowers, Bert

Sent: Thursday, December 16, 2010 2:39 PM

To: (b)(7)(C)

Cc: (b)(7)(C)

(b)(7)(C)

(b)(7)(C)

Subject: TtECI, Hunters Point: Upcoming Holiday Stand Down...

All,

This notification is for informational purposes and in support of the Hunters Point Memorandum of Understanding dated October 7, 2010. Specific to the subject line above, 2010 end-of-year field activities – including those subject to radiological support under TtECI's NRC License # 29-31396-01, will wrap up on Friday, December 17, 2010. A planned two week stand down will be in effect thereafter and last through the New Year's holiday weekend.

During the stand down, "on-call" response staff will be available for various needs – including requirements to periodically monitor areas of the Hunters Point site which remain subject to Tetra Tech's NRC license and jurisdiction. If, during the stand down period, a situation is identified which results in the need to contact "on-call" Tetra Tech staff, (e.g., observed compromises resulting from vandalism, passing storms, and similar unanticipated events), please refer to the attached contact list for appropriate notification options. In any instance, feel free to notify me directly as I plan to be in the immediate area for the duration of the stand down.

As always, contact me if additional information or feedback is needed and HAPPY HOLIDAYS!

Bert

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

=

From: Bowers, Bert
Sent: Friday, December 17, 2010 9:25 AM
To: (b)(7)(C)
Subject: RE: Hunters Point: End-of-Year Plans

....thanks for confirming (b)(7)(C) "HAPPY HOLIDAYS" to you and yours!!! BB

From: (b)(7)(C)
Sent: Friday, December 17, 2010 9:12 AM
To: Bowers, Bert
Subject: RE: Hunters Point: End-of-Year Plans

Hello Bert - CE2/Kleinfelder will be onsite through Wednesday, Decemeber 22nd - I do not anticipate needing any RCA access between now and then. Our site activities will shut down from Dec 23rd through January 7th. We will be back onsite starting January 10th, 2011.

Thanks,

(b)(7)(C)

From: Bowers, Bert [mailto:Bert.Bowers@tetrattech.com]
Sent: Friday, December 17, 2010 8:02 AM
To: (b)(7)(C)
Subject: Hunters Point: End-of-Year Plans

All,

As a follow-up to Tetra Tech's schedule for the upcoming holiday season , do plans exist for anyone within your organization to be on site at Hunters Point between December 18, 2010 and January 2, 2011 -- and if so, to what portion(s) of the site would access be needed (e.g., RAD impacted areas subject to Tetra Tech NRC license control, etc)?

Thanks in advance for clarifying..

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) 415.216.2745 Alternate: (b)(7)(C) Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax:

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

From: (b)(7)(C)
Sent: Thursday, December 16, 2010 2:54 PM
To: (b)(7)(C)
(b)(7)(C)
(b)(7)(C)
Cc: (b)(7)(C)
(b)(7)(C)
Subject: Change of Point-of-Contact for Basewide Radiological Support

All-

As of Monday, 3 Jan 2011, Bert Bowers, Project Health Physicist for Tetra Tech, will be the primary Point-of-Contact for the scheduling and coordination of radiological field support for the various contractors here at Hunters Point Naval Shipyard.

It has been a pleasure being of service to you.

Happy Holidays!

(b)(7)(C)

Direct: (b)(7)(C) | Main: 415.671.1990 | Fax: 415.671.1995 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | Health Physics

200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system

Think Green - Not every email needs to be printed.

=

From: Bowers, Bert
Sent: Friday, December 17, 2010 9:24 AM
To: (b)(7)(C)
Subject: RE: Hunters Point: End-of-Year Plans

...thanks for confirming (b)(7)(C)

From: (b)(7)(C)
Sent: Friday, December 17, 2010 9:06 AM
To: Bowers, Bert
Subject: RE: Hunters Point: End-of-Year Plans

We'll be out, but only in Parcel B. I did everything I needed to do in E-2 this week.

thanks

(b)(7)(C)

From: Bowers, Bert [mailto:Bert.Bowers@tetrattech.com]
Sent: Friday, December 17, 2010 8:02 AM
To: (b)(7)(C)
Subject: Hunters Point: End-of-Year Plans

All,

As a follow-up to Tetra Tech's schedule for the upcoming holiday season, do plans exist for anyone within your organization to be on site at Hunters Point between December 18, 2010 and January 2, 2011 – and if so, to what portion(s) of the site would access be needed (e.g., RAD impacted areas subject to Tetra Tech NRC license control, etc)?

Thanks in advance for clarifying.

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax:

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

From: Bowers, Bert
Sent: Friday, December 17, 2010 12:13 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Hunters Point Storm Water - Wednesday storm event

Thanks for confirming Ryan... have a safe and "Happy Holiday Season" as well!

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) Alternate: (b)(7)(C) Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax:
415.216.2743

Bert.Bowers@tetratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetratech.com

From: (b)(7)(C)
Sent: Friday, December 17, 2010 10:32 AM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: RE: Hunters Point Storm Water - Wednesday storm event

Bert,

The California General Industrial Storm Water Permit only requires that we observe and sample during "scheduled facility operating hours" and with Tetra Tech scheduled to shut down operations and access to the Rad controlled landfill for the next two weeks, there won't be "scheduled facility operating hours" so we will not be sampling the landfill area. I spoke with my (b)(7)(C) and he is in agreement.

Have a great break and Happy Holidays.

(b)(7)(C)

MACTEC Engineering and Consulting | San Diego, Ca
Office (858) 278-3600 | Fax (858) 278-5300
Email (b)(7)(C) | Web www.mactec.com

From: Bowers, Bert [mailto:Bert.Bowers@tetratech.com]
Sent: Friday, December 17, 2010 7:49 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Hunters Point Storm Water - Wednesday storm event

(b)(7)(C)

As a follow-up to (b)(7)(C) response, does MACTEC have plans to be on site at Hunters Point the last half of December 2010 -- and if so, what portion(s) of the site would access be needed (e.g., RAD impacted areas subject to NRC license control, etc)?

Thanks in advance for clarifying.

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetratech.com

From: (b)(7)(C)
Sent: Tuesday, December 14, 2010 10:42 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Hunters Point Storm Water - Wednesday storm event

Hello (b)(7)(C)

Our last scheduled day of work for this year is this Friday, 17 December. We will return to work on Monday, 3 Jan 2011.

Please feel free to contact me with any questions you may have.

(b)(7)(C)


Direct: (b)(7)(C) | Main: 415.671.1990 | Fax: 415.671.1995 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | Health Physics

200 Fisher Ave | San Francisco, CA 94124 | www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

 **Think Green - Not every email needs to be printed.**

From: (b)(7)(C)
Sent: Tuesday, December 14, 2010 10:36 AM
To: (b)(7)(C)
Subject: RE: Hunters Point Storm Water - Wednesday storm event

(b)(7)(C)

I assume that Tetra Tech will be working at HPS during the last 2 weeks of December?

(b)(7)(C)

MACTEC Engineering and Consulting | San Diego, Ca
Office (858) 278-3600 | Fax (858) 278-5300
Email (b)(7)(C) | Web www.mactec.com

From: (b)(7)(C)
Sent: Tuesday, December 07, 2010 6:40 AM
To: (b)(7)(C)

(b)(7)(C)

Subject: RE: Hunters Point Storm Water - Wednesday storm event

Acknowledged....

(b)(7)(C)

Direct: (b)(7)(C) | Main: 415.671.1990 | Fax: 415.671.1995 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | Health Physics

200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Think Green - Not every email needs to be printed.

From: (b)(7)(C)

Sent: Monday, December 06, 2010 6:26 PM

To: (b)(7)(C)

(b)(7)(C)

Subject: Hunters Point Storm Water - Wednesday storm event

MACTEC is currently tracking a storm event that is forecasted to produce significant rain in Bay Area and Hunters Point Shipyard area starting Wednesday morning and continuing throughout the day Wednesday. At this time MACTEC is planning to mobilize to Hunters Point on Wednesday morning for storm water monitoring and sampling in the Parcel B and E-2 areas. MACTEC will coordinate with (b)(7)(C) of Tetra Tech for access to the 5 monitoring locations located within the Tetra Tech portion of Parcel E-2.

MACTEC will continue to monitor the weather and will provide updates on the status of the storm and changes to our mobilization plans.

Thank you,

(b)(7)(C)

MACTEC Engineering and Consulting | San Diego, Ca
Office (858) 278-3600 | Fax (858) 278-5300

Email (b)(7)(C) | Web www.mactec.com

=

From: Bowers, Bert
Sent: Friday, December 17, 2010 10:07 AM
To: (b)(7)(C)
Subject: RE: TTECI, Hunters Point: Upcoming Holiday Stand Down...

...thanks (b)(7)(C)

From: (b)(7)(C)
Sent: Friday, December 17, 2010 10:06 AM
To: Bowers, Bert
Subject: RE: TTECI, Hunters Point: Upcoming Holiday Stand Down...

Hello Bert

I would like to have 1st Quarter 2011 dosimetry for the following staff involved in CE2/Kleinfelder field events:

(b)(7)(C) (K)

(b)(7)(C) (K)

(b)(7)(C) (CE2)

(b)(7)(C) (K)

(b)(7)(C) (YCD)

(b)(7)(C) (K)

(b)(7)(C) (K)

(b)(7)(C) (K)

(b)(7)(C) (CE2)

(b)(7)(C) (K)

(b)(7)(C) (K)

(b)(7)(C) (CE2)

(b)(7)(C) (K)

(b)(7)(C) (YCD)

With that, happy holidays to you too! Make it a relaxing one.

Cheers,

(b)(7)(C)

From: Bowers, Bert [mailto:Bert.Bowers@tetrattech.com]
Sent: Thursday, December 16, 2010 1:34 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: FW: TtECI, Hunters Point: Upcoming Holiday Stand Down...

(b)(7)(C)

As a follow-up to the previous email (see below), please ensure that any remaining dosimetry for your group is placed on a Tetra Tech collection rack before day's end tomorrow. Likewise, please respond to this email with a list of personnel – if any - for whom 1st Quarter 2011 dosimetry will be needed.

As always, feel free to contact me if additional information or feedback is needed.

Many thanks in advance and HAPPY HOLIDAYS!

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

From: Bowers, Bert
Sent: Thursday, December 16, 2010 1:26 PM

To: (b)(7)(C)

(b)(7)(C)

(b)(7)(C)

Cc: (b)(7)(C)

(b)(7)(C)

Subject: TtECI, Hunters Point: Upcoming Holiday Stand Down...

All,

Regarding the subject line above, 2010 end-of-year field activities – including those subject to radiological support under TtECI's NRC Material License # 29-31396-01, are scheduled to wrap up on Friday, December 17, 2010. A planned two week stand down will be in effect thereafter for the holidays.

Before beginning the stand down, it is important that all personnel with dosimetry assigned under TtECI's monitoring program* place their "4th quarter 2010" devices on a designated badge rack. Dosimetry badge racks recognized for this purpose are located just inside either of the two entrances to the TtEC management trailers; another is available at the Building 400 meeting area (just inside the main access door).

During the stand down, dosimetry will be changed out to meet protocol specific to the upcoming "1st Quarter 2011" wear period. After the holidays and upon return to the project (Monday, January 3, 2011), new dosimetry can be picked up at the same badge rack where "4th quarter 2010" dosimetry was left.

Thanks in advance for your help in ensuring the aforementioned needs are met, thus providing for a smooth transition into 2011. As always, feel free to contact me if additional information or feedback is needed.

Bert

* TTEC, RSRS, NWE, Shaw, Kleinfelder, ERRC and JTSI personnel (including subcontractors) using dosimetry devices issued by TTEC

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: 415.314.8727 | Fax: 415.216.2743

Bert.Bowers@telratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

=

REFERENCE 25



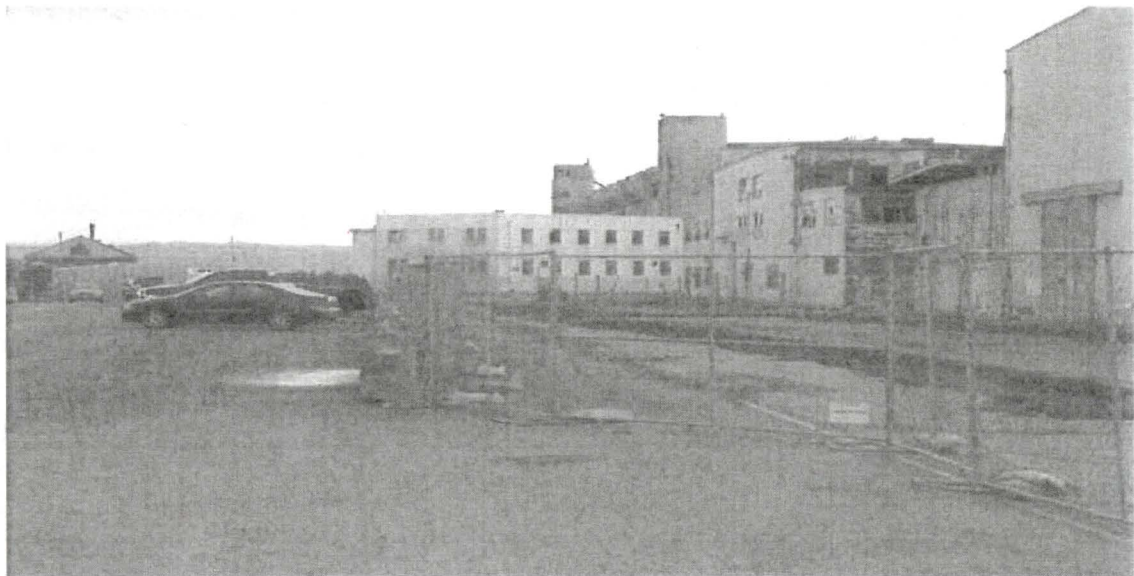
Parcel E at Radiological Screening Yard 4 (RSY4): Active RAD Waste Characterization Work Area: RAD deficiency (pad lock unsecured) as noted/corrected during end-of-day RAD integrity field check, 12.20.10



HPS Access to Utility Corridor (UC) Parcel: Active Construction Work Area: Safety deficiency (pad lock unsecured) as noted/corrected during end-of-day RAD integrity field check, 12.20.10



HPS Tetra Tech/Shaw/EMS Management Area Parking Lot: Downed fence panels as discovered after overnight storm, 12.20.10



HPS Tetra Tech/Shaw/EMS Management Area Parking Lot: Re-established fence panels after overnight storm, 12.20.10

From: Bowers, Bert
Sent: Monday, December 20, 2010 12:08 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: Hunters Point: Parcel E, Non-Impacted Roadway - Post Storm Flooding

(b)(7)(C)

In reference to the subject line above - and as the attached photo supports, an expanding "radiological integrity challenge" continues to worsen along a non-impacted portion of Parcel E roadway. The affected roadway intersects two radiologically controlled areas subject to NRC license oversight (i.e., a location on one side involves Shaw's IR-02 radiologically posted "Contamination Area"; the side directly across is specific to Tetra Tech's "Triangle Area" designated as a "Radioactive Materials Area").

The condition, which appears to have been compounded as a result of the IR-02 work area "buildup" (i.e., significant import fill added during pad construction and an elevated mound that's resulted), will likely worsen as a barrage of additional storms forecast for the area pass through in the next few days.

Presently, lingering water in the non-impacted roadway expands into the referenced "Triangle Area". As a result, vehicular traffic creates wakes which pass into and out of Tetra Tech's controlled area (observed especially so today with heavy rigs supporting Shaw's active work). While trends from "Triangle Area" sample results to date indicate negligible levels from a radiological perspective, it will become ever challenging to address like "contaminant migration" potential if the pool continues to expand in size - especially if into Shaw's "Contaminated Area".

This situation will continue to be monitored - in particular if inclement weather conditions become ever lingering.... just a "heads up" in keeping this situation in mind - and the feasibility of suspending traffic until the situation becomes more under control (a RASO call?).

Feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax:

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

=



HPS Parcel E "Non-Impacted" Road: Flooded portion with Shaw vehicle stirring wake **between** Shaw's RCA (on left as a Radiologically Controlled Area & Contaminated Area) and Tetra Tech's RCA (on right as a Radiologically Controlled Area and Radioactive Materials Area) 12.20.10

From: Bowers, Bert
Sent: Monday, December 20, 2010 8:50 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Boundaries

(b)(7)(C)

Thanks for the feedback! FYI, there's a crew on the way in to re-establish downed fence panels associated with the construction zone (non-RAD) beside the management trailer parking lot. Also, regarding post site drive through observations for today, a section of ERRG fence panels near Bldg 125 are presently down (non-RAD) – notifications have been made.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

From: (b)(7)(C)
Sent: Saturday, December 18, 2010 1:16 PM
To: Bowers, Bert
Subject: Boundaries

Bert,

Heavy winds here last night, knocked one line of our D-1 outer fence lines down.

While walking and driving around our D-1 and E-2 boundaries, in passing by your areas, all lines/boundaries appear fine.

(b)(7)(C)

Shaw Environmental Inc.

Hunters Point Shipyard

200 Fisher Avenue

San Francisco, CA 94124

(b)(7)(C) direct

415-822-8950 fax

(b)(7)(C) cell

(b)(7)(C)

From: Bowers, Bert

Sent: Tuesday, December 21, 2010 4:02 PM

To: (b)(7)(C)

Cc:

Subject: When it rains, it pours!

Just after sending you the "Baker" tank bulletin and preparing to leave the site, a metal bin truck departing the site is encountered FYI... and likewise w/o the portal monitor established. Once again, while there's available "rationale" to support no radiological "compromise", maybe this too is a "New Year's Resolution" topic to discuss with all the "players" when we're back (i.e., seeing again that RASO preferences / expectations weren't followed)??? BB

=



Angle A: December 21, 2010 (Metal bin dumpster - offsite transfer during holiday stand down; no portal monitor)



Angle B: December 21, 2010 (Metal bin dumpster - offsite transfer during holiday stand down; no portal monitor)

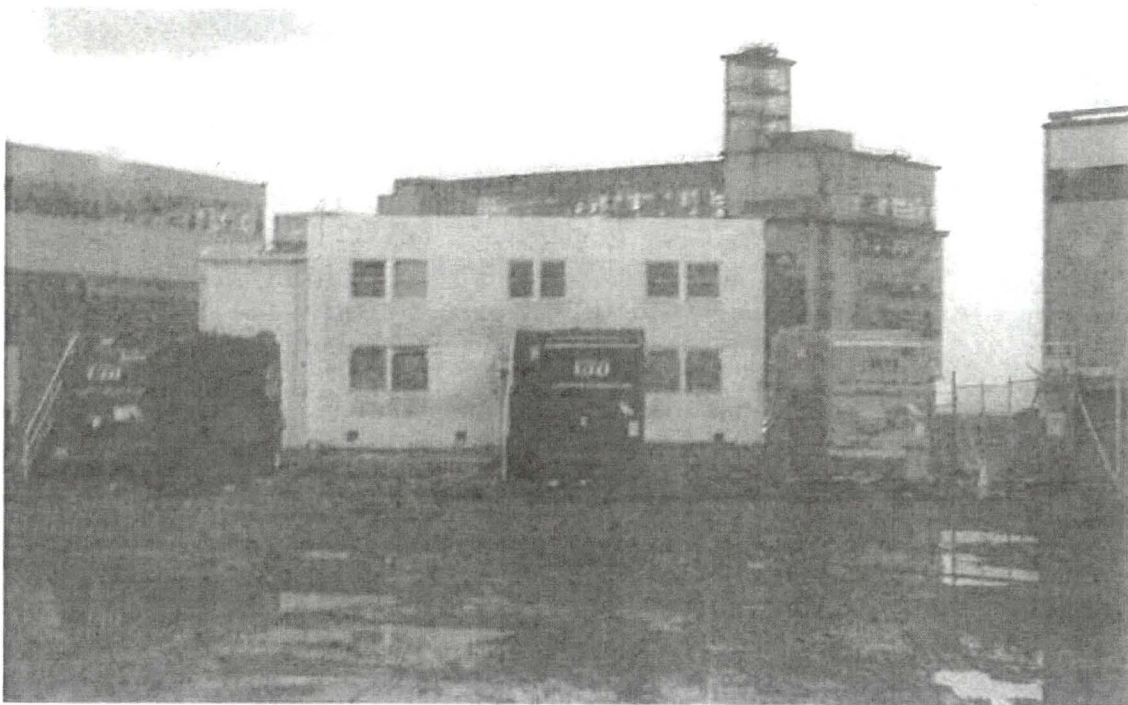
From: Bowers, Bert
Sent: Tuesday, December 21, 2010 3:52 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: Hunters Point: Baker Tanks

(b)(7)(C)

An observation today FYI..... as supported by the attached photos – and after completing today's site drive-thru, it sure does appear that some "Baker" tanks left site without use of the portal monitor drive through.... while there's available trending / supporting data to support no radiological "compromise", maybe this is a "New Year's Resolution" topic to discuss when we're all back (i.e., seeing that RASO preferences / expectations weren't followed)????

Have a great holiday

=



Baker Tank "Staging Area" Area as Observed: December 20, 2010



Baker Tank "Staging Area" Area as Observed: December 21, 2010

From: Bowers, Bert
Sent: Tuesday, December 21, 2010 4:09 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: RE: Hunters Point: Parcel B, ERRG Designated Work Area (Non-RAD)

(b)(7)(C)

As a follow-up to yesterday's storm recovery events, ERRG's fenced areas looked secure (observations noted while conducting RAD integrity field checks)!

Regards,

Bert

From: (b)(7)(C)
Sent: Monday, December 20, 2010 9:28 AM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: RE: Hunters Point: Parcel B, ERRG Designated Work Area (Non-RAD)

Thanks, Bert. (b)(7)(C) was on his way out there (last time I spoke to him this morning) to inspect the site condition, fence, BMPs, etc. But I appreciate you informing me.

(b)(7)(C)

ERRG | Engineering/Remediation Resources, Inc.
Mobile: (b)(7)(C) | Direct: (b)(7)(C)

From: Bowers, Bert [mailto:Bert.Bowers@tetrattech.com]
Sent: Monday, December 20, 2010 9:15 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: Hunters Point: Parcel B, ERRG Designated Work Area (Non-RAD)

(b)(7)(C)

As an FYI, a section of ERRG fence panels near Bldg 125 are presently down (non-RAD) after yesterday's storm event (photo of affected area attached).

As always, feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) 415.216.2743 | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax:

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

=

From: Bowers, Bert
Sent: Monday, December 27, 2010 1:11 PM
To: (b)(7)(C)
Subject: FW: HP Trespassers

....fyi

-----Original Message-----

From: (b)(7)(C)
Sent: Thursday, December 23, 2010 4:37 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: FW: HP Trespassers

FYI

(b)(7)(C)
Direct: (b)(7)(C) | Cell: (b)(7)(C)
(b)(7)(C)

Tetra Tech | Remediation
200 Fisher Avenue | San Francisco, CA 94124 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

!! Think Green - Not every email needs to be printed.

-----Original Message-----

From: (b)(7)(C)
Sent: Thursday, December 23, 2010 3:50 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: FW: HP Trespassers

(b)(7)(C) let's keep more eyeballs around our areas now that there are less buildings for the CC-miners to play in.

D

-----Original Message-----

From: (b)(7)(C)
Sent: Thursday, December 23, 2010 15:48
To: (b)(7)(C)
(b)(7)(C)

Subject: RE: HP Trespassers

Thanks (b)(7)(C) I agree and rest assured (b)(7)(C) will handle this situation in the future.

Good job being BAD COP at B-215. Personally, I would have been a bit more forceful especially finding a vehicle "hidden" at B-282. (b)(7)(C) will need to be more diligent around B215 now that we've taken away toys for the CC-miners to play with (buildings on the Mole Pier).

(b)(7)(C)

-----Original Message-----

From: (b)(7)(C)

Sent: Thursday, December 23, 2010 13:11

To: (b)(7)(C)

(b)(7)(C)

Subject: HP Trespassers

On Thursday, 12-23-2010 at around 1030hrs I found a white male in his 30's walking through the rear B215 parking lot. I confronted the male, (b)(7)(C) and asked him what he was doing. He was looking for leasing space around dry docks for manufacturing. I told him that NAVY is not leasing space and he should leave the site. His (b)(7)(C) was hidden from view in B282.

Later I found his SUV parked in front of the EMS trailer. The trailer was secured so I searched for (b)(7)(C) and found him walking the contractors parking lot. I told (b)(7)(C) I would escort him off the base. I noted his vehicle had a sleeping bag covering some tools in the back. I informed the main gate security guard that he was not allowed back on the base. I informed (b)(7)(C) w/Shaw of what happened and suggested they check their area.

Later upon leaving I noticed 2 late model POV's with 2 males and 2 females in one vehicle and 1 male in the other driving next to B134. I asked if they were lost and they asked if I had a welder sarcastically. I asked who he worked for and he said ITSI. He said they had to weld a plate on an excavator parked next to B134. I called (b)(7)(C) w/ITSI and he verified the job.

If contractors work at our sites, they should have proper safety gear and marked vehicles. These people did not look like they should be there.

(b)(7)(C)

From: Bowers, Bert
Sent: Monday, December 27, 2010 1:01 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: FW: Patrol

...FYI gentlemen

-----Original Message-----

From: Bowers, Bert
Sent: Monday, December 27, 2010 1:01 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: FW: Patrol

(b)(7)(C)

Information below is FYI... after discussing with (b)(7)(C) we both shared the opinion that EMS likely needs to consider the need for integrity verifications in and around areas at Building 211/253 - and at the EMS management trailer as well.

Feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative
Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax:
415.216.2743
Bert.Bowers@tetrattech.com
Tetra Tech EC | Field Project Management
Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

-----Original Message-----

From: Bowers, Bert
Sent: Monday, December 27, 2010 12:38 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Patrol

(b)(7)(C)

While at the project today, no discrepancies were observed at Building 258 (i.e., during an initial site drive thru). While along the back side of the building (during a door check and inspection) (b)(7)(C) stopped by. In discussing the prior events with him, he indicated the "breached" structure wasn't Building 258 but instead the "Glass Palace". At that point, I informed (b)(7)(C) that he was referring to Building 211/253, not Building 258. At that point (b)(7)(C) conferred with two DOD site police who were present with him. They also indicated the event occurred at Building 211/253. The subsequent check (with (b)(7)(C) of doors there was satisfactory as well. (I mentioned at that point the need to address RAD awareness briefs / preferred protocol involving "security personnel" specific to RCA breaches / trespassers / confiscated materials.)

(b)(7)(C)

asked if Tetra Tech had any vehicles with tires missing - he said Chevy truck tires were confiscated from trespassers (he also said Shaw's fleet was unaffected). I completed another drive thru with focus placed on TTEC's vehicle fleet and status - including those inside Building 258. All of Tetra Tech's fleet appeared OK. Beyond vehicles, nothing else appeared tampered with inside Building 258 as well... the doors at Building 400 were also secure.

Note that (b)(7)(C) said he asked a guy discovered in the management area parking lot to leave last Thursday evening... parked in front of the EMS trailers... said he appeared to be living out of his vehicle... was looking for the "leasing office" (b)(7)(C) drove by later to re-check the area and the guy was back - near the new lab trailers - I believe (b)(7)(C) said he escorted the guy off site this time around. (The doors to the new lab facilities are secure and nothing there appears tampered with.) He said the site has been active the past few days with trespassers... I'll continue with follow-up inspections / integrity checks.

Feel free to contact me if additional information or feedback is needed.

Bert

-----Original Message-----

From: (b)(7)(C)

Sent: Monday, December 27, 2010 9:18 AM

To: Bowers, Bert; (b)(7)(C)

Subject: FW: Patrol

FYI, Bert, can you check the doors on one of your visits.

(b)(7)(C)

sends...

-----Original Message-----

From: (b)(7)(C)

Sent: Sunday, December 26, 2010 2:26 PM

To: (b)(7)(C)

Subject: FW: Patrol

(b)(7)(C)

the last paragraph is for you. We don't know if anything is missing. Looks like someone forgot to lock-up.

(b)(7)(C)

-----Original Message-----

From: (b)(7)(C)

Sent: Sunday, December 26, 2010 14:23

To: (b)(7)(C)

Cc: (b)(7)(C)

(b)(7)(C)

(b)(7)(C)

Subject: Patrol

Patrol at HPS, at 0645 hrs (b)(7)(C) encountered suspect (b)(7)(C) and (b)(7)(C) on a boat

with and outboard motor attached towing another boat with metal debris from the Mule Gun pair. (b)(7)
(C)
confiscated tools from the graded area the suspects were working at.

(b)(7)(C) arrived on duty and assisted (b)(7)
(C) by extending the investigation off the property leading the federal police to the location of the boat in question used in the theft of government property.

(b)(7)(C) introduced (b)(7) to 24th St. San Francisco park area at the end where suspects stealing from the federal property end-up at off loading the debris from a boat in to a Chevrolet Van that (b)(7)(C) was observed driving to the park area where (b)(7) and I was loading the Tahoe of copper minor burglary tools and copper wire from the aforementioned boat.

(b)(7)(C) spotted (b)(7)(C) on the water's edge in the park area digging for clams after and on site security guard asked the federal police to order the trespassers off the property without incident.

Also on Friday (b)(7)(C) found the main entry door and the large sliding garage doors wide open with no one around at bldg-258. (b)(7)(C) conducted a walk-through inspecting the area for suspects and is uncertain if any equipment or supplies was taken before the bldg-258 was secured.

Sincerely, (b)(7)(C)





HPS: EMS RCA "As Discovered" 12.28.10 (Photo 1 of 2)



: EMS RCA "As Discovered" 12.28.10 (Photo 2 of 2)

From: Bowers, Bert
Sent: Tuesday, December 28, 2010 2:31 PM
To: (b)(7)(C)
Subject: RE: Patrol

(b)(7)(C)

According to (b)(7)(C) the trespassers had scrap metal and miscellaneous tools - I took it to mean small hand type tools but I could be wrong. I believe the confiscated items - including the referenced truck tires, are staged in the building where the DOD Police now work from (i.e., Building 215).

Regards,

Bert Bowers | Radiation Safety Officer Representative
Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743
Bert.Bowers@tetrattech.com
Tetra Tech EC | Field Project Management
Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

-----Original Message-----

From: (b)(7)(C)
Sent: Tuesday, December 28, 2010 3:48 AM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: RE: Patrol

Bert,
Thanks for passing this along.
In regard to the debris from the Gun Mole Pier, do you know what the material was and where it is currently staged?

(b)(7)(C)
(b)(7)(C)
Shaw Environmental Inc.
Hunters Point Shipyard
200 Fisher Avenue
San Francisco, CA 94124
(b)(7)(C) Office
cell
(b)(7)(C)

From: Bowers, Bert [mailto:Bert.Bowers@tetrattech.com]
Sent: Mon 12/27/2010 4:01 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: FW: Patrol

....FYI gentlemen

REFERENCE 33

MEMORANDUM

To: (b)(7)(C) Tetra Tech, (b)(7)(C)

From: Bert Bowers, Tetra Tech, Radiation Safety Officer Representative – Hunters Point

Date: January 18, 2011

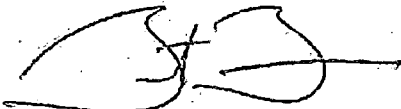
Subject: Hunters Point Shipyard (HPS), Tetra Tech EC (TtEC) Events Leading up to January 13, 2011
(b)(7)(C) Directive to Radiation Safety Officer Representative (RSOR) to Pack Office /
Vacate HPS Project

(b)(7)(C)

In reference to the subject line above - and as requested during our discussions earlier on Monday, January 17th, to follow is a detailed summary of events as they unfolded January 12th - 13th.

As always, feel free to contact me if additional information or feedback is needed.

Regards,



Bert Bowers, Radiation Safety Officer Representative

Direct: (b)(7)(C) / Alternate: (b)(7)(C) / Main: 415.671.1990 / Mobile: (b)(7)(C)

Wednesday, January 12, 2011: HPS

- ~1605 hrs: After ending a phone conversation with (b)(7)(C) MACTEC regarding a MOU modification need, I proceed to the afternoon management debrief which is already in progress; the debrief is being conducted by (b)(7)(C) when my turn, I brief group on my day's accomplishments including the phone call just completed with MACTEC regarding the MOU draft (and an electronic markup from MACTEC just received) (b)(7)(C) advises that he'll stop by later to discuss the MOU.
- ~ 1615 hrs: The afternoon management debrief adjourns; I return to my office and pull up the MOU draft just in from MACTEC; comparison review begins to my draft markup which is also in progress.
- ~ 1620 hrs: (b)(7)(C) enter my office; both grab something from my snack containers as is normal. I am still working on the MOU draft comparison and cross reference; (b)(7)(C) and I proceed to discuss MOU document status as related to upcoming pier demolition work at HPS under MACTEC's NRC license, etc. (b)(7)(C) listens; (b)(7)(C) and I appear to be "on the same page" regarding the MOU assignment.
 - + (b)(7)(C) steers the conversation to the topic of work hours; drops an excel spreadsheet on desk; informs that RSOR function is reduced 5 hours to a weekly schedule equivalent of five 9 hour days; notice then provided to begin attending 6:30 AM daily meetings as "Basewide rep" with field staff management / supervision to plan daily activities. Somewhat surprised, I sit back in chair while taking a deep breath.
 - + (b)(7)(C) makes statement to the effect that "this isn't aimed at you" but is the result of "tighter budget demands" and a "greater limit on resources" as compared to past contracts; stated that "Navy is trying to make Basewide go away".
 - + Understanding is acknowledged of the contract restrictions, candidly shared personal disappointment and sense that action did have appearance as being aimed at RSOR role. Expressed curiosity as to why RSOR input/feedback was not solicited before arriving at decision; described RSOR start-of-year "work load" as filled to capacity; current NRC license based work being conducted from home on "personal time"; brought up question specific to RAD integrity field checks – how "end-of-shift" site drive through would continue if on 9 hr days / attending meeting at 0630 hrs; as alternate solution, suggested extended break at mid-day to allow for overlapping afternoon timeframe for integrity checks after field staff leaves for day (b)(7)(C) provides assurance that stated concerns / questions will be addressed – however, plans should be to attend AM meeting beginning the following day across from our offices. Request acknowledged; (b)(7)(C) then provides assurance that working for free isn't expected. I respond that "it's not about the hours", but instead, how to work around schedule "issues" to ensure continued "license driven" obligations are not compromised; shared likely need to distribute some of the more basic RSOR responsibilities to the RAD field sups as "Authorized Users" on license.
- ~ 1645 hrs: (b)(7)(C) exit; begin closing up office in advance of "end-of-day" site drive through.
- ~ 1650 hrs: Begin "end-of-day" site drive through; limited drive due to dusk setting in / length of earlier discussion with (b)(7)(C)

- ~ 1720 hrs: Proceeding out from Parcel E "non-impacted" roadway onto regular asphalt throughway toward Bldg 400; completely dark / headlights on; observe headlights of two unidentified vehicles in Parcel E RSY4 sector beyond the "Triangle Area"; impossible to determine if: in RCA barricaded area / site staff or Shaw or trespassers / locked inside upon arrival to gate. Vehicles observed continuing to advance toward gate where both eventually stop. I complete a "U-turn" and slowly approach gate for a closer look. TtEC project pick-up truck's / field laborers confirmed. Gate is being opened after which both trucks exit. Upon approach I roll window down and ask "is everybody out"? Field laborer locking gate replies "they better be 'cause we're going home". I ask "why are you guys still here"? The field laborer replies "we don't get OT that often, you gotta go for it when it's there". I wish all a good evening as the crew departs.
- ~ 1720 hrs: I proceed to the TtEC management trailers to confirm an "Authorized User" on TtEC's NRC license is present (i.e., any of the RAD Sup's); all have left for the day. I then check to see if (b)(7)(C) is still in; upon arrival at his office he has changed into gym clothes and is preparing to leave. I provide a brief on laborers observed in and around impacted portions of the field and the fact that all "Authorized Users" had departed for the day. (b)(7)(C) does not share any knowledge or awareness of what is being reported. I re-emphasize the importance of an end-of-day site drive through (b)(7)(C) acknowledged my concern and suggested I "cover it with all the supervisors in the morning". (b)(7)(C) then brought up weekly work schedules discussed earlier in my office; suggested that - assuming I planned at least 3 weeks off over the course of 2011, I should be covered for 50 hour work weeks after all. I offered to average up to one week off each quarter if necessary to stay within budget which (b)(7)(C) acknowledged. We both proceed to leave for the day.
- ~ 1740 hrs: I drive back out along Building 400 and the RSY4 area and all appears secured; I then exit the site and head home.

(b)(7)(C)

Thursday, January 13, 2011: HPS

- ~ 0615 hrs: I arrive on site; proceed to open up the office; computer is booted up, then I proceed to conference room across from office (b)(7)(C) are seated in the room. Small talk ensues while we wait - I assume, for others to arrive.
- ~ 0635 hrs: (b)(7)(C) pops his head through the conference room door saying "Bert"? I acknowledge him after which he asks why I'm not at the meeting. I state "I'm here". Then while asking (b)(7)(C) "where is everybody", I look up at the conference room clock and note that it's 0635 hrs. (b)(7)(C) replies that everyone's meeting in the small conference room up front. At this point I say "oh" while jumping up to follow him there. Once out the door (b)(7)(C) is observed walking toward (b)(7)(C) and me; he is told I was in the other conference room. (b)(7)(C) politely states - as (b)(7)(C) already did - that "the meeting is up front instead". We're all three up front by now and to my surprise, the meeting is already starting to adjourn. (At this moment, the thought occurs to

discuss with (b)(7)(C) that I'm being asked to adjust my schedule in order to attend a 5 minute meeting / address Basewide plans for an assigned staff quota of one -- and sacrificing "end-of-shift" RAD integrity drive thru's which have repeatedly proven to be value added. (b)(7)(C) (b)(7)(C) is exiting from the meeting room and (b)(7)(C) informs him that I was in, just at the wrong conference room -- no sense of an issue is observed. I spot (b)(7)(C) and (b)(7)(C) and inform both that I need to speak with them before attending the AM safety tailgate at Building 400 -- they hold up. I then wait for (b)(7)(C) to finish a conversation he's having with someone else after which he too is asked to step aside for a discussion with the rest of us. Then the RAD sup's begin to gather with me just down the hallway from the others adjourning the earlier meeting. However, because there's so much noise, I ask the team to just stop off in my office instead. As we're proceeding that way, I observe that (b)(7)(C) are following in the same direction (i.e., toward the same end of the management trailers) -- I assume to their offices opposite mine. By the time the last RAD supervisor enters my office, it's ~0637 hrs. (The 4th RAD supervisor (b)(7)(C) has called off sick with the (b)(7)(C) Knowing that time is limited as everyone needs to be at Building 400 for the morning tailgate, my plan is to convey the basic expectation that's resulted from the prior evenings observations. In doing so, plans are to also ask that the same expectation be conveyed to the RAD field techs attending the tailgate (a more detailed follow up would then occur personally with each supervisor over the course of the day). The basic expectation is the urgency and importance associated with timely RAD supervisor and RSOR communication. More specifically - and as based on past events and recent lessons learned from similar circumstances, reporting to the RSOR any activity in or near impacted areas that extend beyond regular hours (i.e., thus allowing for assessment of need for / confirming presence of "authorized user", etc).

- I first ask for everyone's attention; then began to share the previous evenings observations; I attempt to quickly stress:
 - + Field activities ongoing after dark;
 - + Locations associated with the sightings are defined by the HPS Historical Radiological Assessment (HRA) manual as "impacted" and involve temporary "non-impacted" roadways;
 - + Areas along the roadway are bounded on each side by postings defining "radiologically controlled areas". I then began to emphasize that all sup's need to communicate to the RSOR prior to leaving site at day's end if field hands are still actively working in or around impacted areas. At this point (b)(7)(C) stops me in mid-sentence with a question; the ensuing interface / sequence of events then transpire:

(b)(7)(C) (words to the effect of): "Bert, where are you talking about"?

Bert Bowers (words to the effect of): "I'm referring to Parcel E near the 'Triangle Area' and the 'RSY4 pads'; there were field laborers still in the area; it was after dark, I could see headlights inside what I thought was a locked area; I didn't know who it was and no 'authorized user' was to be found... we need to have someone present because...." (I am then cut off with a question from (b)(7)(C))

(b)(7)(C) (words to the effect of): "No we don't that was the utility corridor crew and all that's been cleared..."

Bert Bowers (words to the effect of): "Yes we do..."

(b)(7)(C) (words to the effect of): "Let's look at..." [Can't understand the rest as (b)(7)(C) interrupts with an outburst]

(b)(7)(C) (words to the effect of): "That's f___ing bulls__t; that's a bunch of crap..."

(b)(7)(C) almost instantaneously appears in the doorway and asks: "What's going on"

(b)(7)(C) (words to the effect of): "He's saying the utility corridor crew..." [Can't understand the rest as (b)(7)(C) let's go with another outburst]

(b)(7)(C) (words to the effect of): "This is crazy f___ing bulls__t..." [Can't remember anything else from his outburst as I'm now eye-to-eye with (b)(7)(C) my hands are folded outward expecting him to direct (b)(7)(C) to tone it down]

(b)(7)(C) (still looking at me with words to the effect of): "They're right... RASO has cleared and released the area.... [I can't remember the rest of what (b)(7)(C) was saying as total disbelief has (b)(7)(C) now set in. I'm now simply rubbing my face with both hands and wondering why (b)(7)(C) hasn't (b)(7)(C) directed (b)(7)(C) and the others to leave; and pulled our conversation off-line to get all the facts / involved (b)(7)(C) if necessary. Instead, the reality of an escalating verbal attack is setting in to the point it resembles a "feeding frenzy"; I'm enduring (b)(7)(C) unexpected "judge and jury" position and yet another interruption / outburst from (b)(7)(C) who is now standing outside my office door behind (b)(7)(C) have exited - likely just outside in the hallway]]

(b)(7)(C) (standing directly behind (b)(7)(C) and pointing at me over his shoulder with words to the effect of): "Let me tell you something.... don't you ever....." [Can't remember anything else from outburst except that (b)(7)(C) continued to shout profanities - mostly the "F" and "BS" words; as with (b)(7)(C) earlier verbal attack, I'm again eye-to-eye with (b)(7)(C) as he allows (b)(7)(C) to continue with his assault; I remember seeing (b)(7)(C) starting to walk away from my office door as his rants now continued from in the hallway; I now pushed my desk chair away from my desk. (b)(7)(C) has also left my doorway.... I hear his voice in the hallway but have no clue as to what he's saying; trying to pull myself together, I realize that the original disbelief has now turned to shock.... I'm now only focused on leaning over and breathing slowly while simply trying to calm down. I then hear (b)(7)(C) voice from my doorway and I look up to make eye contact.

(b)(7)(C) (still looking at me with words to the effect of): "You know, it seems your biggest concern has to do with your name being on the license.... I can arrange to have it removed."

(b)(7)(C)

then exits from my doorway after which I begin to focus solely on what he had just said.

Specifically, I realized:

- + A hostile work environment had resulted.
- + A serious threat had been leveled toward the project RSOR.
- + The threat as perceived, and however uncharacteristic of (b)(7)(C) reeked of intimidation as categorized within the whistleblower variety.
- + In the "heat of the moment", this was also coming from someone I consider to be a close personal friend.
- + We're both (b)(7)(C) did (b)(7)(C) actions result from a less obvious and underlying situation (within the last week and a half (b)(7)(C) shared with me that he was no longer on (b)(7)(C) using a new (b)(7)(C) in its place.
- + Having to make difficult prior decisions involving construction and RAD Pro management, decisions aren't always pleasing to the field RAD supervisors, why didn't (b)(7)(C) follow established "Loss Control" protocol so as to protect the level of respect identified with the RSOR title.
- + The earlier events as related to the true spirit and intended application of Tetra Tech's NRC issued license (as cultivated unique to Hunters Point applications over the last 8+ years [beginning with the NWE license] and most importantly as monitored subject to the expectations of NRC inspectors [Ricardo Munoz and Anthony Gaines] has now reached a defining moment, the realization becomes even clearer of my present obligation to initiate steps in the NRC notification process. (e.g., NRC will first determine if all avenues of remedy provided through the employer have first been exhausted. I determine that subsequent steps in attempting resolution of the current issue to begin in the following order:

- 1) (b)(7)(C)
- 2) (b)(7)(C)
- 3) Human Resources
- 4) Tetra Tech Employee Hot Line
- 5) NRC

~ 0642 hrs: I cut across the conference room toward (b)(7)(C) office, (b)(7)(C) and (b)(7)(C) are still in the room; nothing is said as I pass through. As I approach (b)(7)(C) office... (b)(7)(C) is inside talking to him... I wait at (b)(7)(C) door for (b)(7)(C) to finish. After a brief moment (b)(7)(C) exits and I enter... (b)(7)(C) is walking around... then moves toward his coat rack and bends down to get something near a bookshelf. A brief conversation unfolds as follows:

Bert Bowers (unable to establish eye contact; words to the effect of): (b)(7)(C) .. you realize that now I'm obligated to notify the NRC?"

(b)(7)(C) (now raising up and turning toward his desk but still not looking at me; words to the effect of): "You shouldn't have let that situation disintegrate to that level..... just go ahead

and do what you think you need to do.... call the NRC or whoever, but while you're at it you can also pack up the s__t in your office and get the h__l off my project."

Bert Bowers (words to the effect of): (b)(7)(C) . are you serious"?

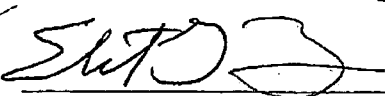
(b)(7)(C) (now looking at me from in front of his desk; words to the effect of): "You heard me, pack your s__t up and get the h__l off the site".

Bert Bowers (words to the effect of): "OK....." [I backtrack across the conference room where (b)(7)(C) and (b)(7)(C) are still seated... saying nothing and just staring at me as I walk by... I direct the following comment their way as I exit: "I'm not believing this..."

~ 0642 hrs: Once in my office, I conclude that in my 9th year at HPS, I'm in my 1st hostile environment directed at me; and the immediate need is to leave the site as directed and contact (b)(7)(C) ASAP. I quickly shut down and store my computer; pull a box containing unused dosimetry from my cabinet / then place under my desk. I then lock up, grab my backpack and leave the site.

~ 0647 hrs: I arrive at an offsite overlook of the HPS portion of Parcel E and I place a call to (b)(7)(C) (b)(7)(C) Reception is poor (one dropped call). I advise him of what happened and that I'll call him once at my residence. Upon arrival, I wait for my (b)(7)(C) to leave for work after which I call (b)(7)(C) again and provide a detailed briefing under calmer circumstances.

To the best of my knowledge, the aforementioned events are true, accurate, and as they actually occurred.


Elbert G. Bowers

1.18.11
Date

REFERENCE 34

From: Bowers, Bert
Sent: Tuesday, January 18, 2011 7:53 AM
To: (b)(7)(C)
Subject: RE: Call

Hi (b)(7)(C)

Will (b)(7)(C) assistance in securing my company assigned laptop from the office (and after figuring out how to connect remotely to the Tetra Tech network from home!) I'm finally able to go through / catch up on a sizeable wave of emails / notifications. As I knew was likely the case, it's nice nevertheless to confirm that you were attempting to establish contact.

Thanks again,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.270.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

From: (b)(7)(C)
Sent: Friday, January 14, 2011 7:44 AM
To: Bowers, Bert
Subject: Call

Bert,

When are you available to talk today or over the weekend?

I look forward to it.

(b)(7)(C) RCM

Direct: (b)(7)(C) | Main: 973.630.8000 | Fax: 973.630.8526 | Cell: (b)(7)(C)


(b)(7)(C)

Believe and act as if it were impossible to fail. Charles F. Kettering

Tetra Tech | Human Resources

1000 The American Road | Morris Plains, NJ 07950 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

 Think Green - Not every email needs to be printed.

=

REFERENCE 35

From: (b)(7)(C)

Sent: Tuesday, January 18, 2011 7:45 AM

To: (b)(7)(C); Bowers, Bert; Bowers, Bert; (b)(7)(C)

(b)(7)(C)

Subject: HPS CTO-04 Agenda & 3 Week LookAhead

Good morning,

Attached are the HPS CTO-04 Agenda & 3 Week LookAhead for 1/18/11.

Thank you,

(b)(7)(C)

(b)(7)(C)

Direct: (b)(7)(C) | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech | Hunter's Point Shipyard
200 Fisher Ave. | San Francisco, CA 94124 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

CQC Weekly Meeting Agenda
CTO - 04
Meeting No. 3

NAVFAC SW, RAD EMAC Contract No. N62473-10-D-0809
BASEWIDE, LAB, RAD SCREENING YARDS, et al.
HUNTERS POINT SHIPYARD
SAN FRANCISCO, CALIFORNIA

MEETING DATE: January 18, 2011
MEETING TIME: 0930 HRS
MEETING LOCATION: TtEC Hunters Point Field Traller
TELECONFERENCE CALL IN #: (866) 692-5721
PASSWORD: 8175375# (participant code), 1655660# (PQCM code)

ATTENDEES:

(b)(7)(C)

Quality Message:

- Morning Tailgate Topic

Previous Meeting Action Items:

- Minutes

Health and Safety:

- Safety Topic(s): Morning Tailgate Message
- Incidents: None
- First Aid Occurrences: None

Status of Submittals:

- Weekly CQC Meeting Minutes
- Accident Prevention Plan/Site Safety and Health Plan

Status of Deficient Conditions:

- Dewatering of pad without radiological approval. Water was pumped from a pad being filled into a clean water truck. Rad supervisor was called; he inspected pad—water did not contact material and was approved as storm water. Corrective action: Site Sup & Rad Sup counseled RSY personnel.

Status of Rework Items:

None

Items Requiring QC Plan Revision or Design Clarification:

None

Status of Work Activities:

- Completed Activities:
 - Received soil from Shaw at RSY2
 - Received soil from Work Area 33 at RSY4
 - Prepped Piles 0375, 0376, 0378 for towed array
 - Scanned Pile 0364 with the towed array
 - Sampled Pile 0372
 - Supported CE2/Kleinfelder in various locations basewide
- Work In-Progress:
 - Lab operations, RSY operations & postings
 - Performing portal monitor & instrumentation maintenance activities
 - Performing incoming/outgoing, weekly & monthly surveys
 - Radiological screening/remediation of excavated soils at RSY2, RSY3, RSY4
 - Transferring cleared soil from RSY2, RSY3, and RSY4 to SB3, SB4 and MDR.
 - Yard maintenance activities, housekeeping activities, dust suppression activities
 - Work Area SWPPP inspections & repairs as needed
- Planned Activities:
 - None

Schedule Review:

- Three-Week-Look-Ahead: see attached.

OC Weekly Planned Activities:

- No preparatory/initial phase inspections scheduled
- Continue follow-up for ongoing DFWs

Other Items:

None

Distribution List:

(b)(7)(C)

From: (b)(7)(C)
Sent: Wednesday, January 19, 2011 3:34 PM
To: (b)(7)(C); ECI.Alameda - Employees; ECI.Hunter's Point - Everyone; ECI.SanDiego - Employees
Subject: Updated HPS phone list - as of 1/19/11

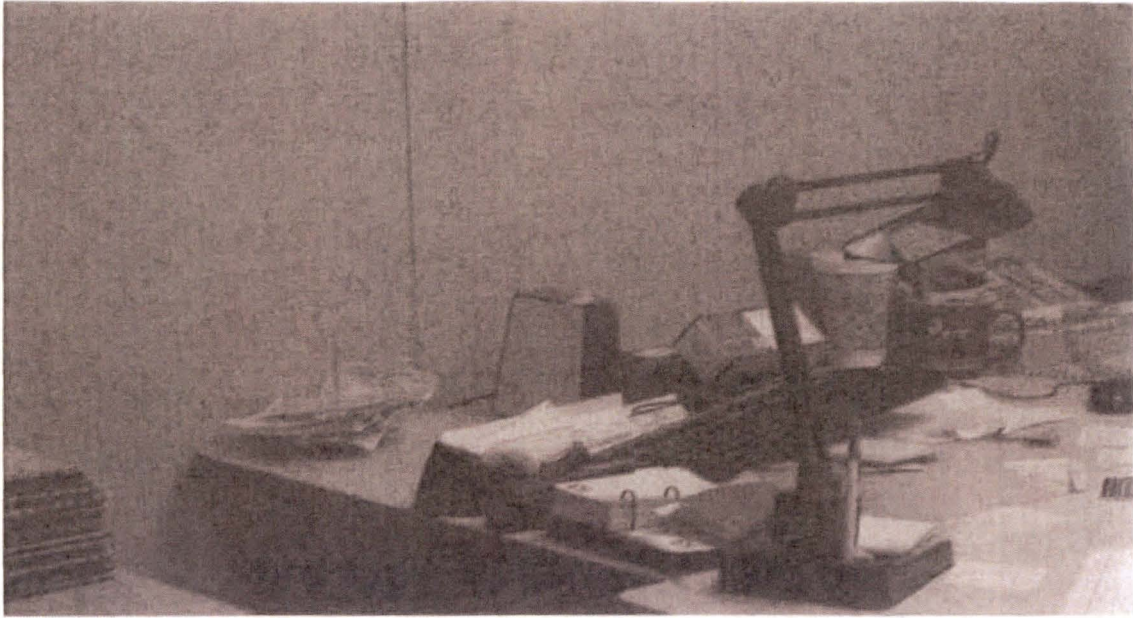
(b)(7)(C)
Direct: (b)(7)(C) Cell: (b)(7)(C)
(b)(7)(C)

Tetra Tech | Hunter's Point Shipyard
200 Fisher Ave. | San Francisco, CA 94124 | www.tetrattech.com

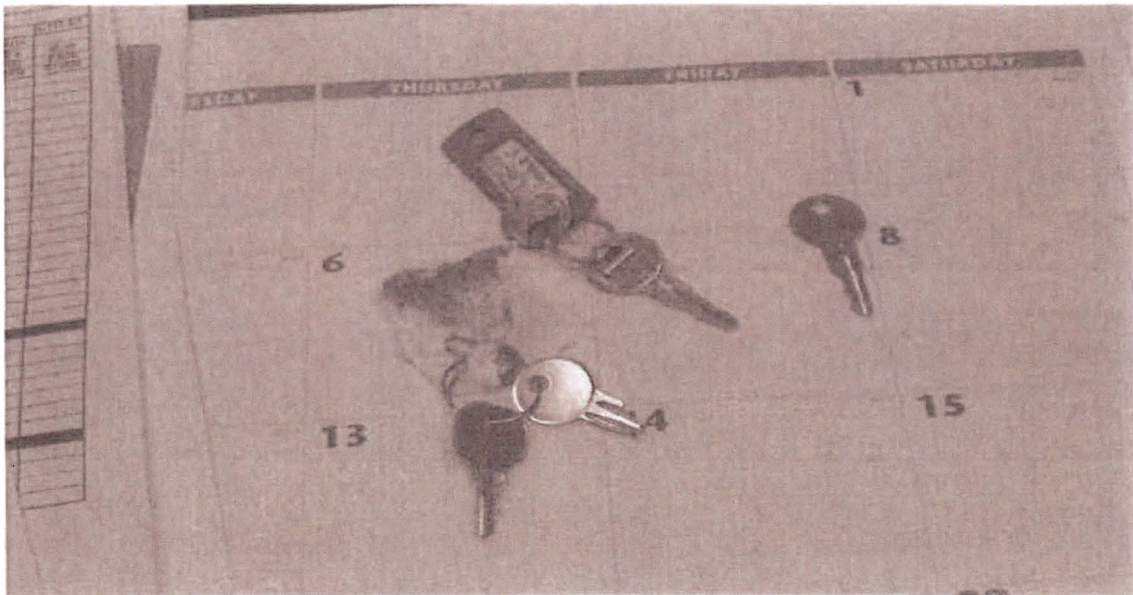
PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



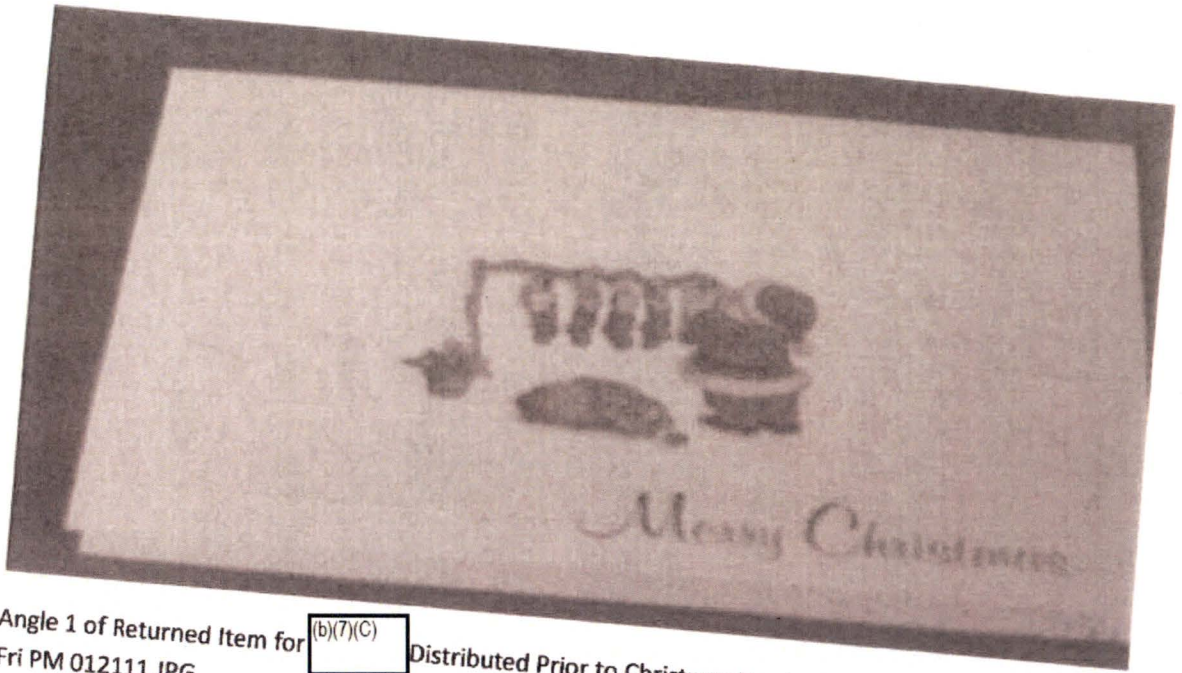
Think Green - Not every email needs to be printed.



Angle 1 of Office Desk Ransacked and Computer Monitor Missing as Observed w/ (b)(7)(C) on 012111.JPG



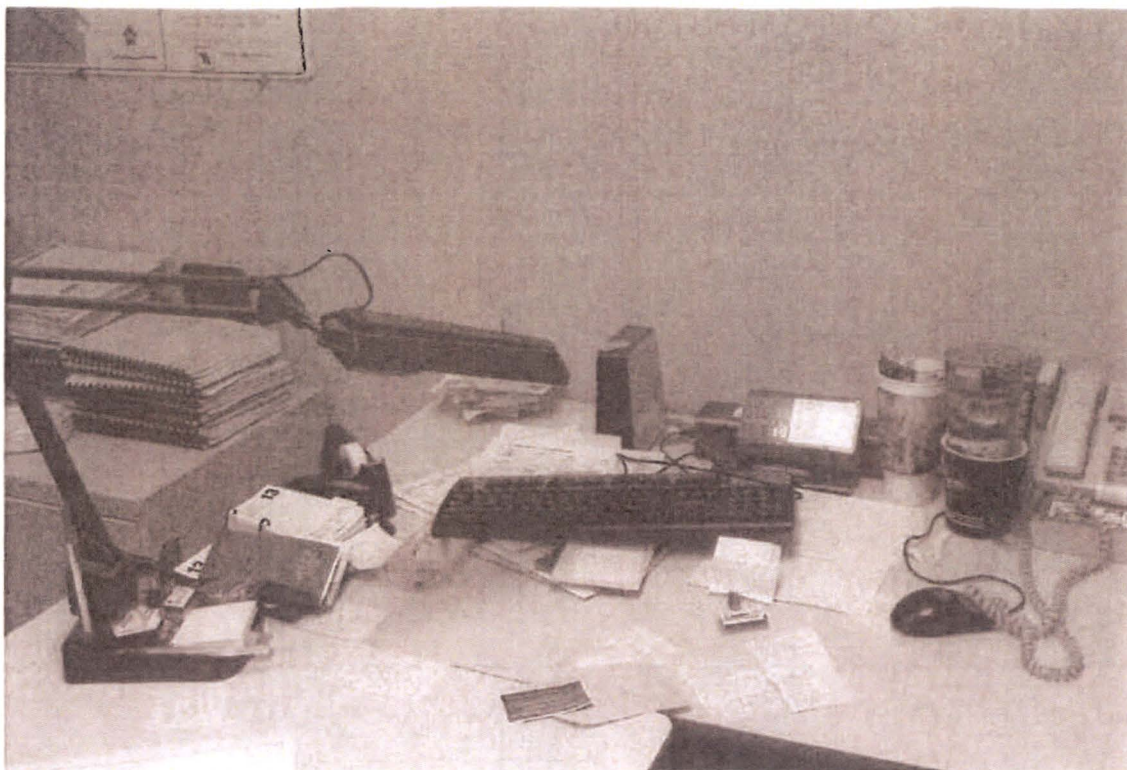
Angle 1 of RSOR Office Keys Used for "Lock and Secure" Purposes – Some Discovered Damaged/Destroyed as Discovered on 012111.JPG



Angle 1 of Returned Item for (b)(7)(C) Distributed Prior to Christmas Break as Discovered on RSOR Desk
Fri PM 012111.JPG



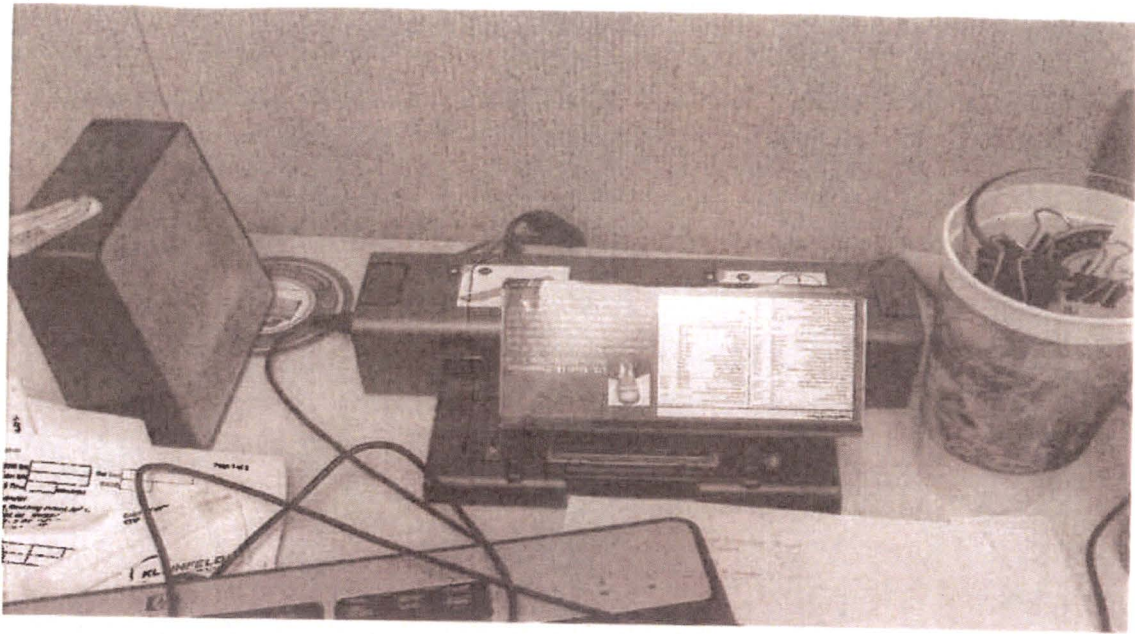
Angle 2 of Area Beneath RSOR Desk w_ Items Rearranged As Discovered 012111.JPG



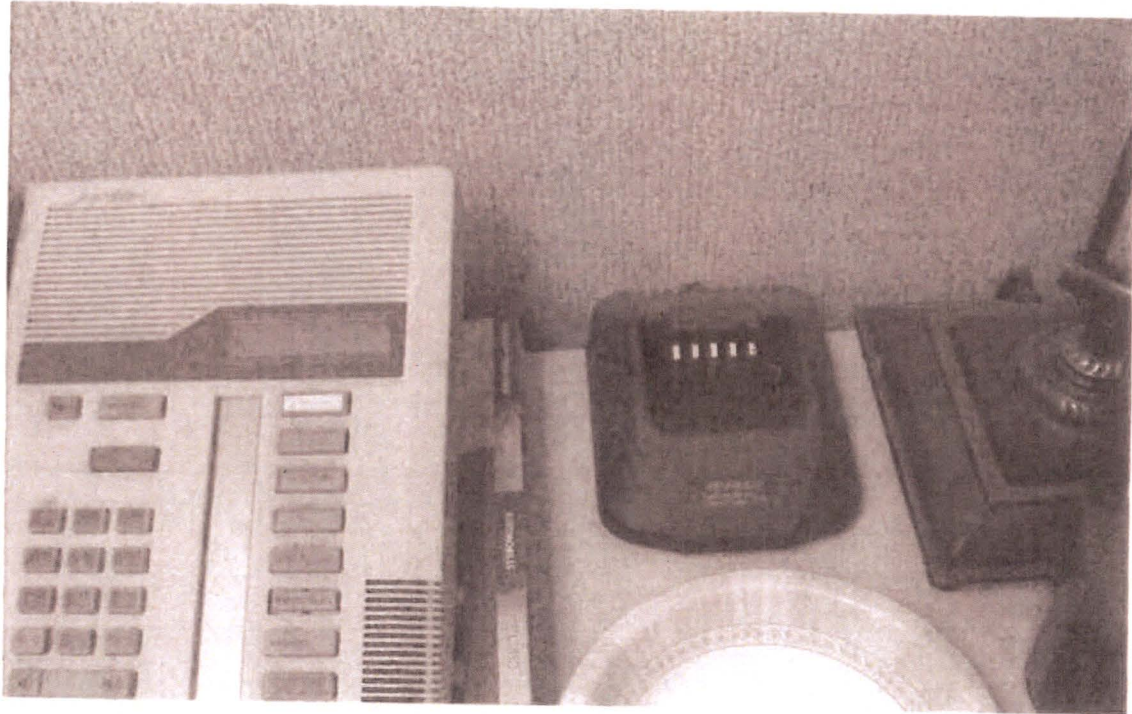
Angle 2 of Office Desk Ransacked and Computer Monitor Missing as Observed w/ (b)(7)(C) on 012111.JPG



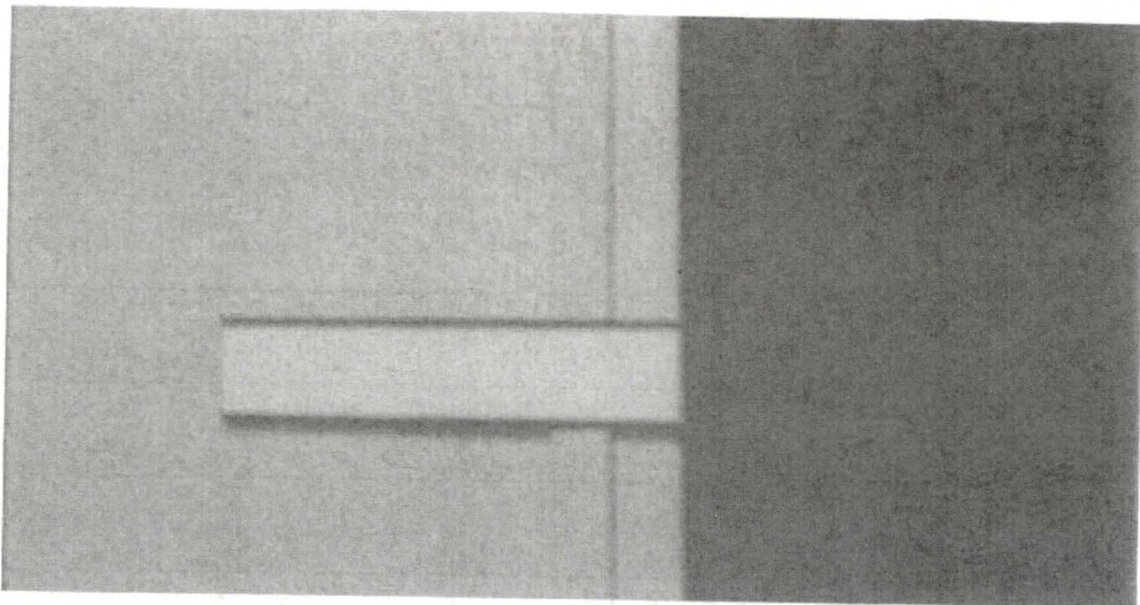
Angle 3 of RSOR Office Desk Ransacked ;Computer Monitor Missing; Remaining Computer Equip Rendered Inoperable as Observed w/ (b)(7)(C) on 012111.JPG



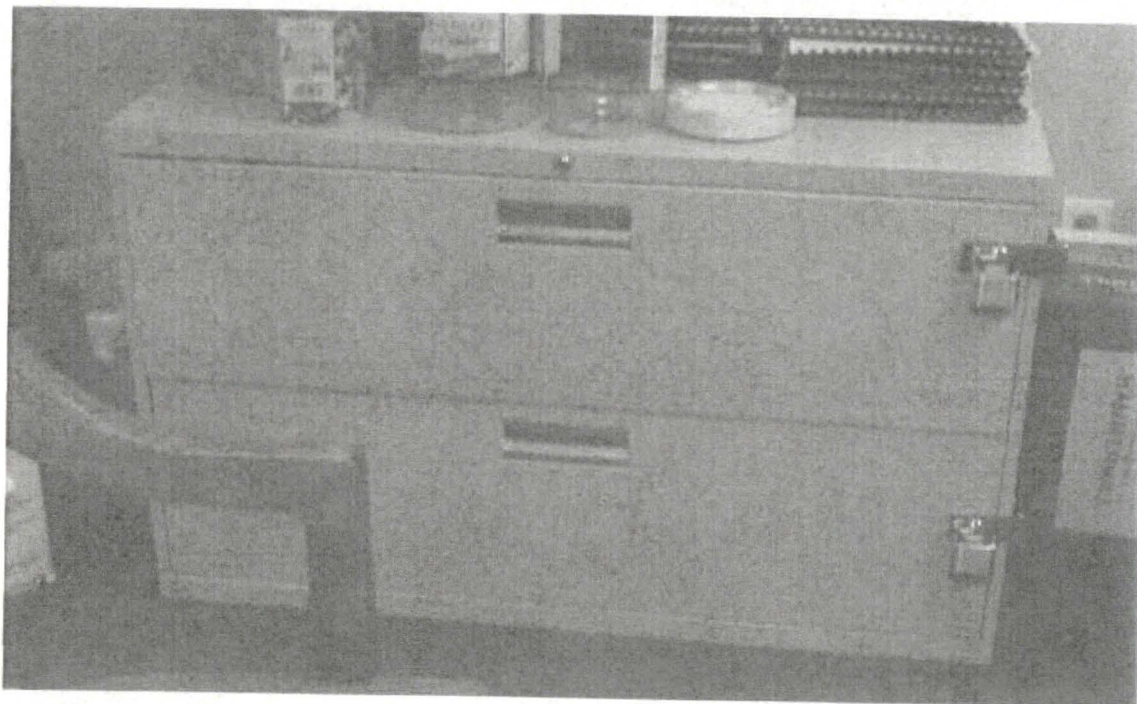
Angle 4 of RSOR Office Desk Ransacked; Computer Monitor Missing; Remaining Computer Equip Rendered Inoperable as Observed w/ (b)(7)(C) on 012111.JPG



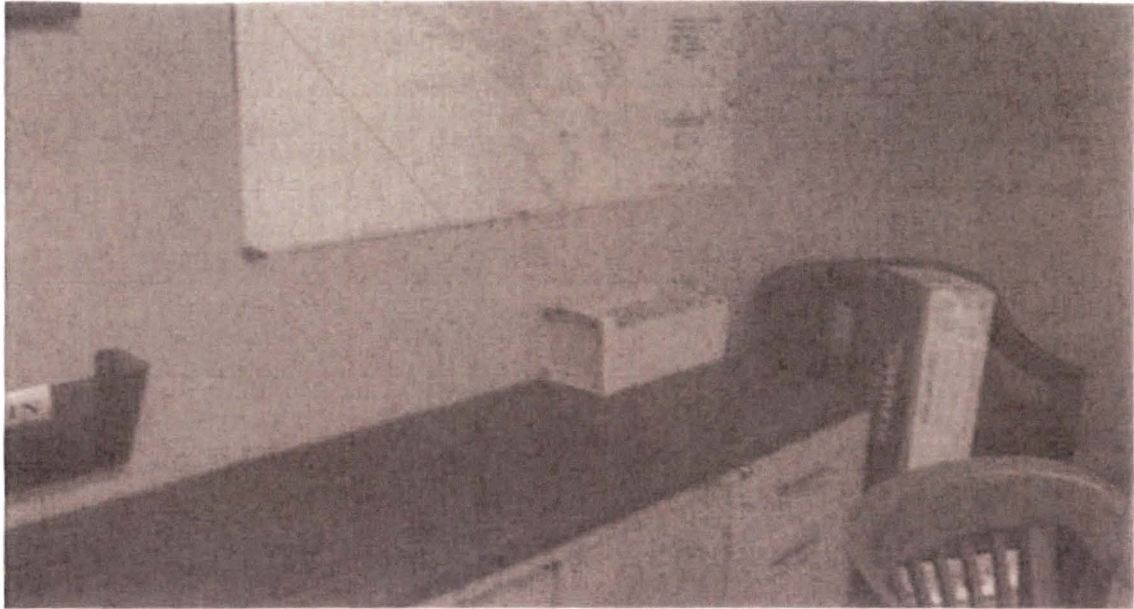
Angle 5 of RSOR Office Desk Ransacked; Project Radio Missing from Charging Cradle as Discovered 012111.JPG



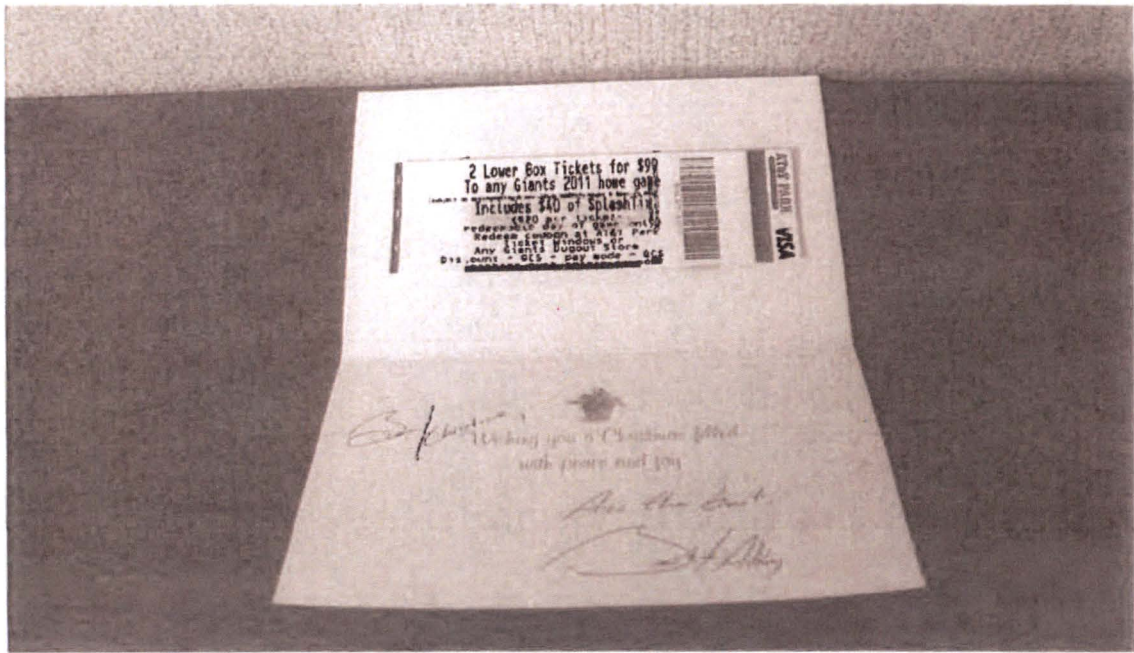
"RSOR Officer" Nameplate Identifier Reversed at Office Entrance as Discovered on 012111.JPG



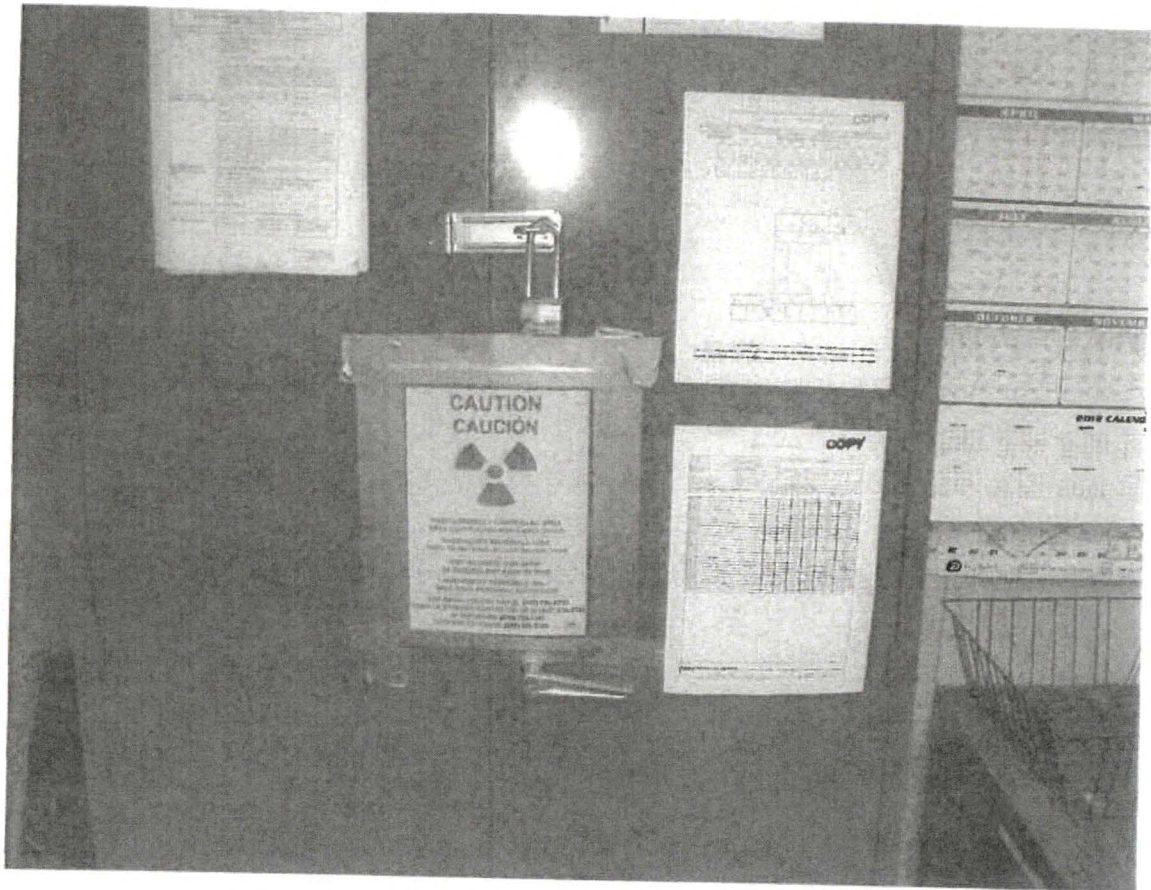
RSOR Office Records Cabinet w/ Original Lock Drilled Out; Bottom Drawer Now Stuck Closed; Padlocks Installed to Each Drawer as Observed on 012111.JPG



Storage Box and CDR Storage Rack formerly stored at RSOR Desk as Observed 012111.JPG



Angle 2 of Returned Item for (b)(7)(C) Distributed Prior to Christmas Break as Discovered on RSOR Desk Fri PM 012111.JPG



RSOR Office Locker (After Forced Breakin) w/ New Lock / Improper Signage... Post 1.13.11

REFERENCE 36



TETRA TECH, INC

MEMORANDUM

Date: January 18, 2011

From: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC, Inc.
Twin Oaks I, Suite 309,
5700 Lake Wright Drive,
Norfolk, VA 23502
(757) 466-4906

To: All TtEC Radiation Safety Program Personnel

Subject: Designation of Radiation Safety Officer Representative - Hunters Point

As determined by the Corporate Radiation Safety Officer, (b)(7)(C) has the necessary training and experience described in Appendix H of NUREG-1556, Volume 18 to act in the position of Hunters Point Radiation Safety Officer Representative. This designation is in accordance with Materials License Number 29-31396-01, Docket Number 030-38199, Condition 11, as issued to Tetra Tech EC, Inc. through and subject to oversight by the U.S. Nuclear Regulatory Commission.

As the Hunters Point Radiation Safety Officer Representative, (b)(7)(C) has the vested authority and responsibility to ensure radiological safety and compliance with the TtEC radioactive materials license as it is used at the Hunters Point Shipyard.

cc: RSO file, Hunters Point RSOR

REFERENCE 37

—Original Message—

From: Bowers, Bert
Sent: Monday, December 27, 2010 1:01 PM
To: (b)(7)(C)
Cc:
Subject: FW: Patrol

(b)(7)(C)

Information below is FYI... after discussing with (b)(7)(C) we both shared the opinion that EMS likely needs to consider the need for integrity verifications in and around areas at Building 211/253 - and at the EMS management trailer as well.

Feel free to contact me if additional information or feedback is needed.

Regards;

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) Alternate: (b)(7)(C) 6 | Main: 415.671.1990 | Mobile: (b)(7)(C) Fax: 415.216.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

—Original Message—

From: Bowers, Bert
Sent: Monday, December 27, 2010 12:38 PM
To: (b)(7)(C)
Cc:
Subject: RE: Patrol

(b)(7)(C)

While at the project today, no discrepancies were observed at Building 258 (i.e., during an initial site drive thru). While along the back side of the building (during a door check and inspection (b)(7)(C) stopped by. In discussing the prior events with him, he indicated the "breached" structure wasn't Building 258 but instead the "Glass Palace". At that point, I informed (b)(7)(C) that he was referring to Building 211/253, not Building 258. At that point (b)(7)(C) conferred with two DOD site police who were present with him. They also indicated the event occurred at Building 211/253. The subsequent check (with (b)(7)(C) of doors there was satisfactory as well. (I mentioned at that point the need to address RAD awareness briefs / preferred protocol involving "security personnel" specific to RCA breaches / trespassers / confiscated materials.)

(b)(7)(C) asked if Tetra Tech had any vehicles with tires missing - he said Chevy truck tires were confiscated from trespassers (he also said Shaw's fleet was unaffected). I completed another drive thru with focus placed on TTECI's vehicle fleet and status - including those inside Building 258. All of Tetra Tech's fleet appeared OK. Beyond vehicles, nothing else appeared tampered with inside Building 258 as well.... the doors at Building 400 were also secure.

Note that (b)(7)(C) said he asked a guy discovered in the management area parking lot to leave last Thursday evening... parked in front of the EMS trailers... said he appeared to be living out of his vehicle.... was looking for the "leasing office". (b)(7)(C) drove by later to re-check the area and the guy was back - near the new lab trailers - I believe (b)(7)(C) said he escorted the guy off site this time around. (The doors to the new lab facilities are secure and nothing there appears tampered with.) He said the site has been active the past few days with trespassers.... I'll continue with follow-up inspections / integrity checks.

From: Bowers, Bert
Sent: Tuesday, December 28, 2010 3:03 PM
To: [REDACTED]
Subject: FW: Patrol

....fyi

-----Original Message-----
From: Bowers, Bert
Sent: Tuesday, December 28, 2010 2:28 ,
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Patrol

[REDACTED]

FYI, a closer observation during today's RAD integrity field inspection revealed downed signage / ropes / stanchion posts inside the EMS RCA just o/s Building 211/253. Reference attached photos for additional specifics.... also, per the information forwarded yesterday, it appears activity specific to "trespassers / vandals" was observed in and around the referenced RCA as well as around the EMS management trailer.

Feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative
Direct: [REDACTED] | Alternate: [REDACTED] | Main: 415.671.1990 | Mobile: [REDACTED] | Fax:
415.216.2743 Bert.Bowers@tetrattech.com Tetra Tech EC | Field Project Management Hunters Point
Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

-----Original Message-----
From: Bowers, Bert
Sent: Monday, December 27, 2010 1:01 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Patrol

[REDACTED]

Information below is FYI... after discussing with [REDACTED] we both shared the opinion that EMS likely needs to consider the need for integrity verifications in and around areas at Building 211/253 - and at the EMS management trailer as well.

Feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative

From: Bowers, Bert
Sent: Wednesday, December 29, 2010 11:05 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Hunters Point: Shaw - Area's Subject to NRC License Jurisdiction

...thanks (b)(7)(C)

~~Original Message~~
From: (b)(7)(C) [mailto:(b)(7)(C)]
Sent: Wednesday, December 29, 2010 4:32 AM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: RE: Hunters Point: Shaw - Area's Subject to NRC License Jurisdiction

Bert,
We've had personnel periodically on site performing spot checks, and will have personnel working the 30th (weather permitting).

Dec 30 Activities- Starting at approximately 1000hrs.
(b)(7)(C) will be Op's Lead POC. (b)(7)(C) 1 RCT and approximately 5 others to support a water side inspection of the Gun Mole Pier.
-3 personnel will be in our 12 foot boat- putting in over at E-2 RCA and maneuvering over to D-1, then back again to E-2.

(b)(7)(C)

Shaw Environmental Inc.
Hunters Point Shipyard
200 Fisher Avenue
San Francisco, CA 94124

(b)(7)(C) Office
(b)(7)(C) cell
(b)(7)(C)

From: Bowers, Bert [mailto:Bert.Bowers@tetrattech.com]
Sent: Tue 12/28/2010 5:36 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: Hunters Point: Shaw - Area's Subject to NRC License Jurisdiction

(b)(7)(C)

Regarding the subject line above, was anyone on site as a radiological point of contact yesterday... in parallel, will there be a similar onsite presence the rest of the week (and if so who)? The need for these questions has elevated in importance as a result of recent trespasser activity!

Thanks for confirming,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetrattech.com

From: Bowers, Bert
Sent: Friday, December 31, 2010 5:08 PM
To: (b)(7)(C)
Subject: FW: Patrol

...FYI gents!

Bert Bowers | Radiation Safety Officer Representative
Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 |
Mobile: (b)(7)(C) | Fax: 415.216.2743 Bert.Bowers@tetrattech.com Tetra
Tech EC | Field Project Management Hunters Point Shipyard, 200 Fisher Ave |
San Francisco, CA 94124 | www.tetrattech.com

-----Original Message-----

From: (b)(7)(C) (mailto:(b)(7)(C))
Sent: Thursday, December 30, 2010 10:31 AM
To: Bowers, Bert; (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Patrol

Bert: We went to the site yesterday (early afternoon), and put up the ropes and slanchions. We also checked on the security of the storage containers, vehicles, forklift, and trailer. We did not see any evidence of break-in or attempted break-in to any of our vehicles, locked containers or office trailer.

Thanks for the information and photo's, we can compare notes on Monday.

(b)(7)(C)

(b)(7)(C)

Environmental Management Services, Inc. an (8a) Certified Company
150 North Wiget Lane, Suite 101
Walnut Creek, CA 94598
Telephone: (b)(7)(C)
Fax: (925) 938-0105
E-mail: (b)(7)(C)
Visit our website at www.enviro-mgmt.com

From: Bowers, Bert
Sent: Friday, December 31, 2010 5:41 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: FW: Patrol

(b)(7)(C)

While doing today's drive through, I met up with the DOD Police Officer (b)(7)(C) who actually encountered some of the prior week's vandals... specific to the confiscated vehicle tires, he believes they came from inside Building 258. Upon further questioning, he confirmed that Building 258 was in fact the location found unlocked and doors wide open on the back side of the building. The day I went inside for a "visual" look around, nothing looked out of the ordinary and all vehicles parked inside looked OK (i.e., tires and all)... however, if spare tires were staged inside, I would have no way of knowing as such. (b)(7)(C) also confirmed Building 211/253 was also broken in to. Today's drive around revealed nothing out of the ordinary for Tetra Tech controlled areas. (I'll copy you on observations from the ERRG work location.)

That's the latest FYI!

Bert

-----Original Message-----

From: Bowers, Bert
Sent: Monday, December 27, 2010 12:38 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Patrol

(b)(7)(C)

While at the project today, no discrepancies were observed at Building 258 (i.e., during an initial site drive thru). While along the back side of the building (during a door check and inspection) (b)(7)(C) stopped by. In discussing the prior events with him, he indicated the "breached" structure wasn't Building 258 but instead the "Glass Palace". At that point, I informed (b)(7)(C) that he was referring to Building 211/253, not Building 258. At that point, (b)(7)(C) conferred with two DOD site police who were present with him. They also indicated the event occurred at Building 211/253. The subsequent check (with (b)(7)(C) of doors there was satisfactory as well. (I mentioned at that point the need to address RAD awareness briefs / preferred protocol involving "security personnel" specific to RCA breaches / trespassers / confiscated materials.)

(b)(7)(C) asked if Tetra Tech had any vehicles with tires missing - he said Chevy truck tires were confiscated from trespassers (he also said Shaw's fleet was unaffected). I completed another drive thru with focus placed on TIECI's vehicle fleet and status - including those inside Building 258. All of Tetra Tech's fleet appeared OK. Beyond vehicles, nothing else appeared tampered with inside Building 258 as well.... the doors at Building 400 were also secure.

Note that (b)(7)(C) said he asked a guy discovered in the management area parking lot to leave last Thursday evening.... parked in front of the EMS trailers... said he appeared to be living out of his vehicle.... was looking for the "leasing office" (b)(7)(C) drove by later to re-check the area and the guy was back - near the new lab trailers - I believe (b)(7)(C) said he escorted the guy off site this time around. (The doors to the new lab facilities are secure and nothing there appears tampered with.) He said the site has been active the past few days with trespassers.... I'll continue with follow-up inspections / integrity checks.

Feel free to contact me if additional information or feedback is needed.

Bert

REFERENCE 26

From: Bowers, Bert

Sent: Monday, January 03, 2011 2:36 PM

To: (b)(7)(C)

Subject: Hunters Point: Upcoming "Basewide Support" Assignment Needs (ITSI)

(b)(7)(C)

In reference to the subject line above (and as follow-up to our conversation earlier this morning), (b)(7)(C) called to advise of ITSI plans to haul Shaw debris originating from Gun Mole Pier beginning tomorrow. Due to the origin of the material (designated for offsite disposal), he indicated the debris trucks will need to pass through a portal monitor which – according to Brett, will need to begin at or around 1000 hrs. He went on to say this process will likely continue on through Wednesday – possibly Thursday. Accordingly, please advise if there are issues which could impede the radiological support of ITSI's upcoming needs.

Feel free to contact me if additional information or feedback is needed.

Regards,

Bert

=

From: Bowers, Bert
Sent: Tuesday, January 04, 2011 3:49 PM
To: (b)(7)(C)
Subject: Hunters Point: "Basewide Support" Needs (ITSI) for Wednesday, January 5, 2011

(b)(7)(C)

In reference to the subject line above, [Susan] advised that ITSI will continue tomorrow with their ongoing hauling operations involving the truck portal. Please advise ASAP if there are issues which could impede the radiological support of ITSI's planned needs.

Feel free to contact me if additional information or feedback is needed.

Regards,

Bert

////////////////////////////////////

From: Bowers, Bert
Sent: Monday, January 03, 2011 2:36 PM
To: (b)(7)(C)
Subject: Hunters Point: Upcoming "Basewide Support" Assignment Needs (ITSI)

(b)(7)(C)

In reference to the subject line above (and as follow-up to our conversation earlier this morning), (b)(7)(C) called to advise of ITSI plans to haul Shaw debris originating from Gun Mole Pier beginning tomorrow. Due to the origin of the material (designated for offsite disposal), he indicated the debris trucks will need to pass through a portal monitor which – according to (b)(7)(C) will need to begin at or around 1000 hrs. He went on to say this process will likely continue on through Wednesday – possibly Thursday. Accordingly, please advise if there are issues which could impede the radiological support of ITSI's upcoming needs.

Feel free to contact me if additional information or feedback is needed.

Regards,

Bert

=

REFERENCE 27

From: Bowers, Bert
Sent: Tuesday, January 11, 2011 1:57 PM
To: (b)(7)(C)
Subject: FW: Rad coverage needed tomorrow

....fyi

From: Bowers, Bert
Sent: Tuesday, January 11, 2011 1:56 PM
To: (b)(7)(C)
Cc: 'susan.andrews@tetrattech.com'
Subject: RE: Rad coverage needed tomorrow

ii (b)(7)(C)

Thanks for the "heads up" in reference to upcoming support needs. Every reasonable effort will be made to coordinate/provide radiological support as needed for Kleinfelder's activities at the IR07/18 portion of Hunters Point... if situations arise which could overextend Tetra Tech's available resources (i.e., contract driven, etc), resolution through project management, the Navy, etc will be pursued.

For planning purposes - and to clarify specifics as your needs exist today, at what time tomorrow will IR07/18 operations begin and for what duration? Also, please re-confirm the duration of your current schedule and time frames for IR07/18.

Last, are you presently on site? I attempted to drop off dosimetry for Kleinfelder staff earlier last week but the gate to the field office parking lot was locked. Dosimetry for you (b)(7)(C) and (b)(7)(C) has been prepared and is ready for distribution. (A Radiation Work Permit review and sign off for 2011 is still needed.) In parallel, I need to further discuss / confirm specifics with you pertinent to (b)(7)(C) before releasing their dosimetry / completing RWP reviews as well.

Please advise as to when a time would work for you to address existing needs - or just feel free to stop by if you're in the area.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) Alternate: (b)(7)(C) Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

From: (b)(7)(C) [\(b\)\(7\)\(C\)](mailto:(b)(7)(C))
Sent: Tuesday, January 11, 2011 11:57 AM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: Rad coverage needed tomorrow

Hello Bert ^{ext to alleg} - we request your radiological support in the IR07/18 area tomorrow. Please confirm rad tech availability. With only one basewide rad tech available for support (Susan), it is likely that we will need her help pretty consistently throughout our sampling event.

Thanks!

(b)(7)(C)

1330 Broadway, Suite 1200

Oakland, CA 94612

o (b)(7)(C) c (b)(7)(C) f | 510.628.9009 \

From: Bowers, Bert

Sent: Sunday, January 02, 2011 11:00 PM

To: (b)(7)(C)

Subject: Hunters Point: Tetra Tech Dosimetry Program - Kleinfelder Staff (1st Qtr 2011 Request)

(b)(7)(C)

I have dosimetry made up for your staff as requested except for those highlighted below in yellow. I'll be in touch tomorrow to discuss specifics.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) Alternate: (b)(7)(C) Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

From: (b)(7)(C) [mailto:(b)(7)(C)]

Sent: Friday, December 17, 2010 10:06 AM

To: Bowers, Bert

Subject: RE: TTECI, Hunters Point: Upcoming Holiday Stand Down...

Hello Bert,

I would like to have 1st Quarter 2011 dosimetry for the following staff involved in CE2/Kleinfelder field events:

(b)(7)(C)

(b)(7)(C)

With that, happy holidays to you too! Make it a relaxing one.

Cheers,

(b)(7)(C)

From: Bowers, Bert [mailto:Bert.Bowers@tetratech.com]
Sent: Thursday, December 16, 2010 1:34 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: FW: TTECI, Hunters Point: Upcoming Holiday Stand Down...

(b)(7)(C)

As a follow-up to the previous email (see below), please ensure that any remaining dosimetry for your group is placed on a Tetra Tech collection rack before day's end tomorrow. Likewise, please respond to this email with a list of personnel – if any – for whom 1st Quarter 2011 dosimetry will be needed.

As always, feel free to contact me if additional information or feedback is needed.

Many thanks in advance and HAPPY HOLIDAYS!

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

From: Bowers, Bert
Sent: Thursday, December 16, 2010 1:26 PM
To: (b)(7)(C)

(b)(7)(C)

Cc: (b)(7)(C)

(b)(7)(C)

Subject: TTECI, Hunters Point: Upcoming Holiday Stand Down...

All,

Regarding the subject line above, 2010 end-of-year field activities – including those subject to radiological support under TTECI's NRC Material License # 29-31396-01, are scheduled to wrap up on Friday, December 17, 2010. A planned two week stand down will be in effect thereafter for the holidays.

Before beginning the stand down, it is important that all personnel with dosimetry assigned under TTECI's monitoring program* place their "4th quarter 2010" devices on a designated badge rack. Dosimetry badge racks recognized for this purpose are located just inside either of the two entrances to the TTECI management trailers; another is available at the Building 400 meeting area (just inside the main access door).

During the stand down, dosimetry will be changed out to meet protocol specific to the upcoming "1st Quarter 2011" wear period. After the holidays and upon return to the project (Monday, January 3, 2011), new dosimetry can be picked up at the same badge rack where "4th quarter 2010" dosimetry was left.

Thanks in advance for your help in ensuring the aforementioned needs are met, thus providing for a smooth transition into 2011. As always, feel free to contact me if additional information or feedback is needed.

Bert

• TTEC, RSRS, NWE, Shaw, Kleinfelder, ERRC and ITSI personnel (including subcontractors) using dosimetry devices issued by TTEC

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetratech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

=

REFERENCE 28

From: (b)(7)(C)
Sent: Tuesday, January 11, 2011 5:05 PM
To: Bowers, Bert
Subject: RE: Survey of NWT Equipment

Send it to her directly

(b)(7)(C)

Direct: (b)(7)(C) | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech | Remediation

200 Fisher Avenue | San Francisco, CA 94124 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Think Green - Not every email needs to be printed.

From: Bowers, Bert
Sent: Tuesday, January 11, 2011 2:42 PM
To: (b)(7)(C)
Subject: FW: Survey of NWT Equipment

(b)(7)(C)

In reference to (b)(7)(C) request (below), has the corresponding survey documentation - finalized on Jan 3rd - already been provided to another NWE entity?

Thanks,

Bert

From: (b)(7)(C) [mailto:(b)(7)(C)]
Sent: Tuesday, January 11, 2011 10:37 AM
To: Bowers, Bert
Subject: lab survey

Hi Bert

Happy New Years! Hope you had a wonderful holiday season.

I have a request.

I would like to have a copy of the hunters point final lab survey report for our records.

Thank you,

(b)(7)(C)

From: Bowers, Bert
Sent: Monday, January 03, 2011 9:56 AM
To: (b)(7)(C)
Subject: FW: Survey of NWT Equipment

(b)(7)(C)

In reference to the subject line above, the requested release documentation is attached. Please advise if additional information or feedback is needed.

Regards,

Bert Bowers | Radiation Safety Officer Representative

Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743

Bert.Bowers@tetrattech.com

Tetra Tech EC | Field Project Management

Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tteci.com

From: Bowers, Bert
Sent: Thursday, December 30, 2010 9:33 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Survey of NWT Equipment

(b)(7)(C)

I talked with (b)(7)(C) to confirm completion status of release surveys for the NWE lab and equipment within. He indicated that "hands on" surveys were in fact finished - with the last series being conducted on Friday, December 17th (a final set of smears was submitted to the NWE lab for processing that same day).

Specific to the corresponding survey report, nothing has yet crossed my desk. (b)(7)(C) indicated that smear samples turned in to the lab through last Friday were done so on schedule. Subsequent lab results for those samples (along with a finalized survey report - development also presumed on schedule), should be anticipated on Monday, January 3rd.

Being that (b)(7)(C) is off on Monday, I'll follow up first thing with the lab that day to ensure the smear results were provided in support of survey report generation. Again, as indicated by (b)(7)(C) and as observed in the past with processes such as this), all appears on schedule for that to happen within the turnaround timeframe presently in use.... I'll continue to monitor ongoing status and forward the finalized survey report once it becomes available.

Best regards and "HAPPY NEW YEAR" to you and yours!

Bert

From: (b)(7)(C)
Sent: Wednesday, December 29, 2010 12:35 PM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: Survey of NWT Equipment

Bert,

Did we finish the outgoing survey of the NWT Lab equipment? If yes, can you scan the survey sheets for me to provide to NWT.

(b)(7)(C) sends....

From: Bowers, Bert
Sent: Thursday, December 30, 2010 9:37 AM
To: (b)(7)(C)
Subject: FW: Survey of NWT Equipment

(b)(7)(C)

See below FYI..... this will be a high priority item come Monday morning... please let me know if there are delays / issues in getting that release survey out timely!

Thanks in advance,

BB

From: Bowers, Bert
Sent: Thursday, December 30, 2010 9:33 AM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Survey of NWT Equipment

(b)(7)(C)

I talked with (b)(7)(C) to confirm completion status of release surveys for the NWE lab and equipment within. He indicated that "hands on" surveys were in fact finished - with the last series being conducted on Friday, December 17th (a final set of smears was submitted to the NWE lab for processing that same day).

Specific to the corresponding survey report, nothing has yet crossed my desk. (b)(7)(C) indicated that smear samples turned in to the lab through last Friday were done so on schedule. Subsequent lab results for those samples (along with a finalized survey report - development also presumed on schedule), should be anticipated on Monday, January 3rd.

Being that (b)(7)(C) is off on Monday, I'll follow up first thing with the lab that day to ensure the smear results were provided in support of survey report generation. Again, as indicated by (b)(7)(C) (and as observed in the past with processes such as this), all appears on schedule for that to happen within the turnaround timeframe presently in use.... I'll continue to monitor ongoing status and forward the finalized survey report once it becomes available.

Best regards and "HAPPY NEW YEAR" to you and yours!

Bert

From: (b)(7)(C)
Sent: Wednesday, December 29, 2010 12:35 PM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: Survey of NWT Equipment

Bert,

Did we finish the outgoing survey of the NWT Lab equipment? If yes, can you scan the survey sheets for me to provide to NWT.

(b)(7)(C) sends....

REFERENCE 29

From: Bowers, Bert
Sent: Tuesday, January 11, 2011 2:36 PM
To: 'susan.andrews@tetrattech.com'
Subject: FW: Rad coverage needed tomorrow

Susan -

I spoke w/ [redacted] this PM.... Stop by and I'll update you on existing plans.

Thanks,

Bert

From: Bowers, Bert
Sent: Tuesday, January 11, 2011 1:56 PM
To: [redacted]
Cc: 'susan.andrews@tetrattech.com'
Subject: RE: Rad coverage needed tomorrow

Hi [redacted]

Thanks for the "heads up" in reference to upcoming support needs. Every reasonable effort will be made to coordinate/provide radiological support as needed for Kleinfelder's activities at the IR07/18 portion of Hunters Point.... if situations arise which could overextend Tetra Tech's available resources (i.e., contract driven, etc), resolution through project management, the Navy, etc will be pursued.

For planning purposes - and to clarify specifics as your needs exist today, at what time tomorrow will IR07/18 operations begin - and for what duration? Also, please re-confirm the duration of your current schedule and time frames for IR07/18.

Last, are you presently on site? I attempted to drop off dosimetry for Kleinfelder staff earlier last week but the gate to the field office parking lot was locked. Dosimetry for you [redacted] [redacted] and [redacted] has been prepared and is ready for distribution. (A Radiation Work Permit review and sign off for 2011 is still needed.) In parallel, I need to further discuss / confirm specifics with you pertinent to [redacted] [redacted] before releasing their dosimetry / completing RWP reviews as well.

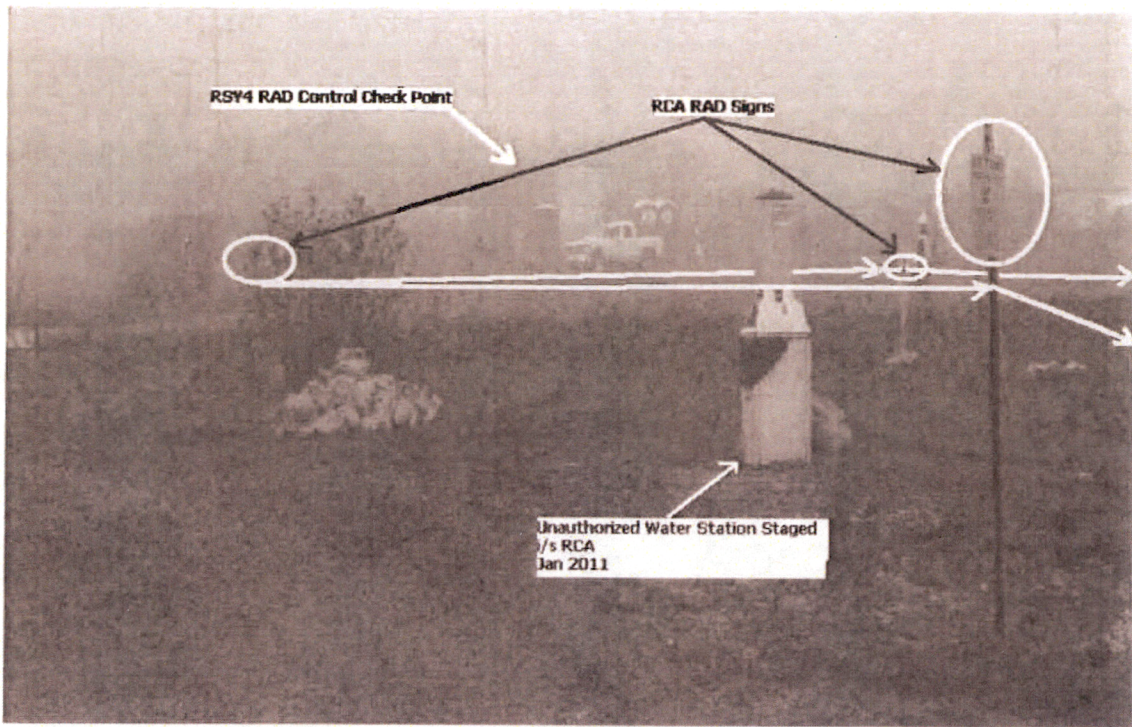
Please advise as to when a time would work for you to address existing needs - or just feel free to stop by if you're in the area.

Regards,

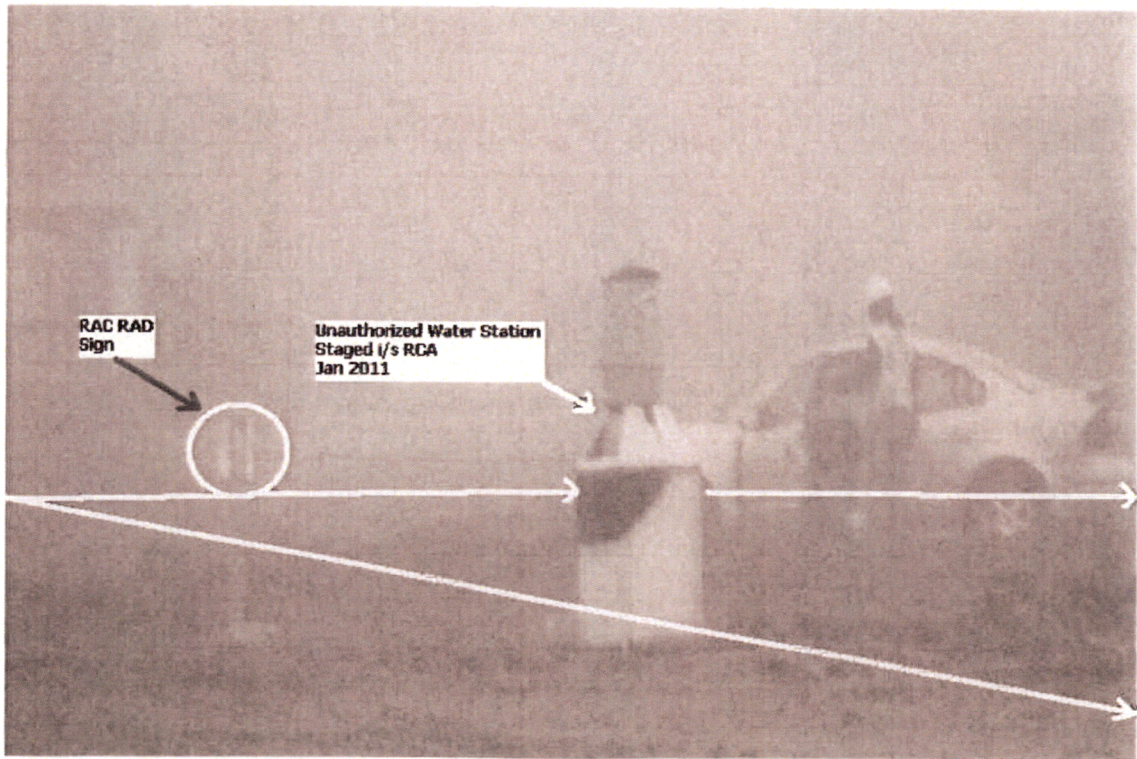
Bert Bowers | Radiation Safety Officer Representative

Direct: [redacted] | Alternate: [redacted] | Main: 415.671.1990 | Mobile: [redacted] | Fax: 415.216.2743

REFERENCE 30



Parcel E at Mill Peninsula Import Pile "as found" angle #1



Parcel E at Mill Peninsula Import Pile "as found" angle #2

REFERENCE 31

From: Bowers, Bert
Sent: Tuesday, January 18, 2011 8:43 AM
To: (b)(7)(C)
Subject: RE: Sealed Sources

...just now seeing this!

From: (b)(7)(C)
Sent: Thursday, January 13, 2011 6:41 AM
To: Bowers, Bert
Subject: Sealed Sources

Bert,

When you get a chance, could you do an inventory of radioactive sources that TtEC owns at HPS. I believe we still have a couple Tc-99 sources and a Sr-90/Y-90 source from (b)(7)(C) locker. And if you could scan a copy of the source certificate paperwork that would be great.

Thanks!

(b)(7)(C)

P.S. Any chance you have a copy of the source certificates for the sources you sent (b)(7)(C) at Lowry? If you don't, no big deal, but if you already had them available somewhere, it would be helpful.

(b)(7)(C)

Direct: (b)(7)(C) | Fax: 757.451.4148 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | ESQ

Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

=

REFERENCE 32

From: (b)(7)(C)
Sent: Tuesday, January 18, 2011 9:01 AM
To: Bowers, Bert
Subject: RE: Description of Events

Hi Bert,

I was hoping to have something today. We have a meeting at noon to discuss. I'll see what I can do.....In the meantime, keep working on it.

On the locks: that was the result of trying to get TLDs to issue. I moved SSN documents that I could identify to a locked cabinet. Working on a lock for the door.

(b)(7)(C)

Direct: (b)(7)(C) | Fax: 757.461.4148 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | ESQ
Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert
Sent: Tuesday, January 18, 2011 11:39 AM
To: (b)(7)(C)
Subject: RE: Description of Events

Hi there -

I finally figured out what was preventing me from connecting to the Tetra Tech network just this morning!

I'm still plugging away at this document... been up "off and on" all night. Finally had to make myself break away for a spell. From my perspective regarding level of detail, I could take close to a week to complete just a "first stab" at this. I know that's not reasonable, but how long can you give me based on your needs / timeframes.... while I will most likely beat it, is a target of noon tomorrow fair?

On another front, I spoke again with (b)(7)(C) early this morning... conversation included the RASO topic we discussed yesterday.... she stated afterwards - in her words "that's important to know, thanks for sharing that with me." She went on to say that further discussions involving you and (b)(7)(C) would ensue. I failed to mention that "locked and secured" portions of my office were forcibly broken open yesterday... I would recommend that a "key and lock" door knob be installed on the office door at this point.

I'll be in touch (b)(7)(C) if needed, call me at (b)(7)(C) (if that doesn't work) (b)(7)(C)

Bert

Bert Bowers | Radiation Safety Officer Representative
Direct: (b)(7)(C) | Alternate: (b)(7)(C) | Main: 415.671.1990 | Mobile: (b)(7)(C) | Fax: 415.216.2743
Bert.Bowers@tetratech.com
Tetra Tech EC | Field Project Management
Hunters Point Shipyard, 200 Fisher Ave | San Francisco, CA 94124 | www.tetratech.com

From: (b)(7)(C)
Sent: Tuesday, January 18, 2011 7:53 AM
To: Bowers, Bert
Subject: Description of Events

Bert,

Do you have your statement completed, or an estimated time of completion?

Thanks!

(b)(7)(C)

(b)(7)(C)

Direct: (b)(7)(C) | Fax: 757.461.4148 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | ESQ

Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.



TETRA TECH EC, INC.

January 31, 2011

**SUBJECT: Tetra Tech EC, Inc.
Designation of Authorized Users for Contract Task Order 6
Alameda Point, Alameda, CA
Materials License No. 29-31396-01
Docket Number 030-38199**

Authorized users (AUs) must have adequate training and experience to use, possess, or provide services involving licensed materials. Duration of training and experience should be commensurate with the expected hazards that may be encountered during routine and emergency conditions.

In accordance with license condition 11, the (b)(7)(C) has determined that the following individuals have the necessary training and experience described in Appendix H of NUREG-1556, Volume 18:

(b)(7)(C) Berit Bowers (b)(7)(C)
(b)(7)(C)

These individuals are hereby designated as authorized users of radioactive material license No. 29-31396-01, for license activities performed at Alameda Point in Alameda, California during the execution of contract task order 6.

(b)(7)(C)

Tetra Tech EC, Inc.
Twin Oaks I, Suite 309
5700 Lake Wright Drive
Norfolk, VA 23505

TWIN OAKS I, SUITE 309, 5700 LAKE WRIGHT
DRIVE,
NORFOLK, VA 23502
TEL 757.461.3768 FAX 757.461.4148
WWW.TTECI.COM

REFERENCE 38

Bert Bowers Goals at Alameda Project

- ✓ 1. Develop a series of training briefs on all Alameda Site specific radiological SOPs for use at Alameda.
- ✓ 2. Upload training records, sealed source inventories, MOU, dosimetry and weekly survey records for Alameda onto the TtEC NRC record sharepoint site.
3. Work with the RSOR to Monitor Radiological subcontractor costs through the PO tracker.
- ✓ 4. Assist the RSOR in completing daily radiological reports to the Navy.
- ✓ 5. Assist the RSOR in other administrative functions as required.
- ✓ 6. Maintain a visible, physical presence during radiation work so that you are accessible to the RCTs and radiation workers; and so you can more quickly identify and address any concerns. If you identify concerns during work, address them immediately, in person, with the RCTs onsite.
- ✓ 7. Serve as the on-shift HP Supervisor for the Alameda project, ensuring compliance with our NRC license, RASO/Navy requirements, and Work Plan requirements.
8. In the event you identify a concern, verify that the concern conflicts with existing work plans, SOPs or written guidance. Once the conflict has been verified as a valid concern, address it at the lowest level. If it cannot be resolved, then continue elevating your concern up the chain-of-command until it is resolved. While you always have the right to contact RASO or the NRC directly, resolution of issues within TtEC is always preferred, since it will take personnel within TtEC to correct whatever deficiency may exist. Start resolution of issues with the Rad Control Technician or radiation worker. Elevate issues up the chain-of-command in the following order:

(b)(7)(C)
- 9. Do not enter into shouting matches with other site personnel. While tensions and pressures may make this difficult, as the HP Supervisor, you need to maintain a cool and calm demeanor through resolution of issues and concerns.
10. Operate within the budget established for the HP Supervisor position at Alameda. Do not exceed this budget without first getting the PM's approval for the additional hours.

(b)(7)(C)

Presented 1.25.11, not signed by me at that

time (or ever due to me?)



REFERENCE 39

From: Bowers, Bert
Sent: Wednesday, February 09, 2011 3:30 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: FW: Changes to Corporate Procedures

(b)(7)(C)

Per our phone conversation just completed – and as detailed below, the "Changes to Corporate Procedures" notice generated by (b)(7)(C) for review with the HPS RAD staff has been addressed.

Thanks for confirming!

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: (b)(7)(C)
Sent: Monday, January 10, 2011 12:11 PM
To: Bowers, Bert; (b)(7)(C)
Subject: Changes to Corporate Procedures

As a follow up to an earlier e-mail: Our NRC license requires that "the licensee's staff is trained in changes to procedures prior to implementation." I have attached a powerpoint highlighting the changes to the corporate procedures. By and large, the changes reflect what our current practices are. If you could please provide training to RCTs and HP supervisors using this information (or a different version providing essentially the same information), document the training via a sign-in sheet, and forward copies of sign off sheets (or equivalent) to me, that would be fantastic.

Also, we have a new audit checklist that I will be using during annual internal audits. I've attached that as well, so hopefully nobody is surprised during audits.

I know everybody is busy, and I hate to drop this on everyone, but it's one of the things we need to do....

Give me a call at (b)(7)(C) if you have any questions, comments or concerns....

Thanks!

(b)(7)(C)

(b)(7)(C)

Direct: (b)(7)(C) | Fax: 757.461.4148 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | ESQ

Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert
Sent: Thursday, February 10, 2011 12:15 PM
To: (b)(7)(C)
Subject: Alameda: TTEC NRC Record Sharepoint Site

(b)(7)(C)

In regards to the subject line above, I need a recommended navigation pathway in order to gain initial access the referenced site.

Thanks in advance,

Bert

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

=

From: (b)(7)(C)
Sent: Thursday, March 03, 2011 4:29 AM
Subject: Daily ESQ Topics 3-3-2011 Stress in the Workplace

Daily ESQ Topic

March 3, 2011

STRESS IN THE WORKPLACE

Recently released research from the New York-based Families and Work Institute found 41 percent of workers who responded to a survey on workplace stress reported experiencing stress "often" or "very often" on the job.

Although small doses of stress are not harmful, situations in which stress is very high or constant can create serious problems, according to NIOSH.

Far from being a mere annoyance, stress can play a larger role in more serious, chronic illnesses when it persists for long periods of time, studies suggest. Research indicates stress can increase an employee's risk of developing cardiovascular disease and musculoskeletal disorders, particularly in the back and upper extremities. There also is growing concern that high levels of workplace stress can increase on-the-job injuries by interfering with safe work practices.

Dismissing concerns of stress in the workplace may be detrimental to the health and well-being of the workforce.

Stress and your health

The link between high levels of workplace stress and the development of cardiovascular disease seems to have garnered the most attention from researchers.

One of the factors linking the two may be the propensity for stressed individuals to make unhealthy life choices. Lyle H. Miller has been studying stress for 30 years. Currently, he directs the Bio Behavioral Institute, a nonprofit research organization focused on stress and behavioral health, and is chairman and CEO of Boston-based Stress Directions Inc., which provides consulting services to employers.

In his work with police officers, Miller found certain measures workers take to control their stress can exacerbate the issue. "They drink too much coffee on the job," he said. "And one of the things that coffee does is it liberates adrenaline from the adrenal gland, which is part of the stress response. So they raise their level artificially."

Because stress does not magically disappear when an officer is off duty, he or she may look for ways to manage it at home. "Often, one of the solutions for the officer is, 'Well, just a little drink will calm me down. And if one works, well, maybe two would work even better,'" Miller said.

A 2007 University of Melbourne study examining the relationship between smoking habits and job stress found men who experience "moderate" or "extreme" job stress were twice as likely to smoke as other workers.

Yet the negative health effects of stress are not limited to poor lifestyle choices.

A 2008 study of British civil servants found that people with the most severe levels of job stress had a 68 percent higher risk of developing heart disease. Although this was linked, in part, to the stressed workers' propensity for unhealthy foods and forgoing exercise, biological factors were identified as well.

The stressed workers were found to have lower heart rate variability and increased levels of cortisol, which can damage heart and blood vessels. Adjusting for lifestyle factors did not impact the relationship between stress levels and cardiovascular health.

NIOSH warns that the effects of job stress on chronic diseases can be difficult to determine because these diseases can take a long time to develop and are influenced by factors other than stress. Past research links stress not only to cardiovascular disease, but also to musculoskeletal disorders, psychological disorders, suicide, cancer, ulcers and impaired immune function.

Common workplace stressors

Rather than pointing to individual personality traits that make a person more prone to stress, NIOSH contends that working conditions play a primary role in causing job stress.

Paul J. Rosch, M.D., is president of the American Institute of Stress, a Yonkers, NY-based nonprofit organization. Rosch agrees with NIOSH's assessment and points to the following as common causes of workplace stress:

- **Task design:** Heavy workload, long work hours, infrequent breaks, routine tasks, not enough time to complete a job
- **Management style:** Little participation in making decisions, little control over the finished product, poor communication, lack of family-friendly policies, little recognition for good job performance
- **Interpersonal relationships:** Poor social environment and lack of support from co-workers or supervisors; prejudice or discrimination because of race, religion, gender or age
- **Work roles:** Conflicting or uncertain job expectations, too much responsibility, too many bosses or "hats to wear"
- **Career concerns:** Job insecurity; lack of opportunity for growth, advancement or promotion
- **Environmental concerns:** Unpleasant or dangerous physical conditions such as crowding, noise, air pollution, ergonomic issues and fear of exposure to toxic chemicals

"Also, many times, the issues of stress at work are really not issues with work per se," Miller said. Not only can a worker's personal life impact one's levels of workplace stress, but "it has to do with other things that impact on work like, for instance, traffic. By the time the person gets there, their level of stress has gone up considerably, so it just takes a few more things on the job to really trigger some unfortunate kinds of reactions."

Although certain high-risk, fast-paced industries may be more prone to stress, Steven Sauter, coordinator of NIOSH's Work Organization Stress-Related Disorders Program and co-author of NIOSH's document "Stress ... at work," said the institute believes stress results from the job itself, rather than from the worker. "We don't think so much about the personality of the individual worker," he said. "We look at the job context and what it is the job requires of them and the types of stressful working conditions that employees encounter in the workplace."

Miller says personality plays a large role in the level of stress a worker may experience. "For example," he said, "if you don't particularly like people, then stay out of retail sales."

Some indicators point to stress becoming more prevalent as the economy worsens and more workers fear unemployment. "Numerous surveys confirm that the recent progressive downturn in the economy has resulted in a corresponding sharp increase in job stress due to job loss, and job insecurity as a result of layoffs and downsizing," Rosch said.

Warning signs of stress

"The first warning signs of stress are primarily emotional, and anger is one of the first ones," Miller said. When workers find themselves feeling these emotions more quickly or more intensely than they normally

would, it is an indicator of high stress levels.

"Muscle contraction headaches, or tension headaches, are one of the really early physical signs," he said, as are intestinal issues such as heartburn or gastroesophageal reflux disease. Additionally, according to the American Institute of Stress, workers suffering from stress may experience shortness of breath, hair loss, changes in appetite, fatigue or panic attacks.

Miller draws a distinction between acute stress and the more dangerous chronic stress. "When you're under acute stress, you know you're stressed," he said. "But when it's chronic stress, it becomes so much a part of the landscape of your life that you don't even realize it's there and it just grinds on and on and on. It just wears people out, wears their immune system out so that they develop all kinds of diseases."

The impact on safety

Although the link between stress and worker health is becoming stronger through a wide range of studies, the impact stress has on the safety of workers is not as well-known.

"The data are weaker for injuries [being related to stress] than they are for illnesses," Sauter said. "But I would say the weight of the evidence points to a linkage between both stress and illness and workplace injury."

NIOSH calls for more research, yet cites "growing concern" that stress can lead to incidents by interfering with safe work practices. In a recent survey of nurses conducted by the American Nurses Association in Silver Spring, MD, 80 percent said on-the-job stress levels impact workplace safety, and 59 percent of nurses said when they feel pressured they are more inclined to work faster and take shortcuts.

"Accident levels go up dramatically when stress climbs," Miller said, pointing out stress also can increase the incidence of workplace bullying and violence.

Steps workers can take to manage stress

In addition to workplace modifications, NIOSH recommends workers try to better manage their job stress levels by taking the following actions:

- Develop a strong social support system in the workplace. A co-worker or other ally who is available to talk through problems can help put things in perspective and minimize stress.
- Take a break to avoid "burnout." Even something as brief as a walk around the block can help clear your head and distance you from stressors, enabling you to return to the job with a fresh outlook.
- Set realistic expectations for the amount of work you can complete in the time you have available. Do not attempt to take on more than you can reasonably handle.
- Recognize you are not perfect and every minor detail in your work will not be perfect either.
- Try to remain organized and keep your work area free of clutter, which can add to stress.
- Avoid negativity and negative people, and try to maintain a positive attitude about your work and your co-workers.

Reference: <http://www.nsc.org/safetyhealth/Pages/3.11Stressintheworkplace/feature.aspx>

** Please note that the Daily ESQ Topic emails are meant to briefly describe issues that we may encounter both on and off the job. While the tips do include a substantial amount of helpful hints and information there is always more that could be added if further researched. They are*

not designed to be a full informational publication on a particular topic and therefore I encourage anyone who is seeking extra information to please research it at their leisure.

(b)(7)(C)

Direct:

(b)(7)(C)

Direct Fax:

(b)(7)(C)

Cell:

(b)(7)(C)

(b)(7)(C)

Tetra Tech | FC

2200 Wilson Blvd. Suite 400 | Arlington, Virginia 22201 | www.tetratechfc.com

(b)(7)(C)

(b)(7)(C)

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

REFERENCE 40

From: Bowers, Bert
Sent: Wednesday, February 09, 2011 9:12 AM
To: (b)(7)(C)
Subject: RE: Naval Air Station Alameda: Tetra Tech "PO Tracker", RAD EMAC TASK 6, Site 17 - Seaplane Lagoon (WE: 020411)

(b)(7)(C)

Since the "long term" duration of my Alameda assignment is yet to be determined, I would suggest that I be added to your distribution, but leave (b)(7)(C) on as well.... at least until further notice.

Thanks for the cordial "Welcome"!

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

//

From: Bowers, Bert
Sent: Thursday, March 31, 2011 3:26 PM
To: (b)(7)(C)
Cc: (b)(7)(C)
Subject: Bert Bowers: Completion of Alameda Assignment

(b)(7)(C)

In reference to the subject line above, this correspondence confirms today's 2:47 PM phone notification that tomorrow, April 1, 2011 will conclude Tetra Tech EC's support needs specific to Project No. 106-40440006 (RAD EMAC Task 6, IR-17 Seaplane Lagoon).

Regards,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

=

From: Bowers, Bert
Sent: Thursday, February 10, 2011 12:22 PM
To: (b)(7)(C)
Subject: RE: Alameda: TTEC NRC Record Sharepoint Site

(b)(7)(C)

Thanks for the link - I'll go visit it!

Regarding access to Alameda SOP's, I was directed yesterday by (b)(7)(C) to see (b)(7)(C) (i.e., so as to work off current SOP's). (b)(7)(C) pointed out a "hard copy" binder which includes all active Alameda RAD SOP's for work under current and active contracts. There is also a CD in the front cover w/ the same in PDF format. To "make life easier", it would be nice to access Alameda SOP's in word format (from where ever such a source might be) so as to more easily import and modify for training purposes.... from your end, might you have something handy in that regard? If not, I'll keep digging some more when I see (b)(7)(C) again.

Thanks,

Bert

From: (b)(7)(C)
Sent: Thursday, February 10, 2011 10:38 AM
To: Bowers, Bert
Subject: RE: Alameda: TTEC NRC Record Sharepoint Site

Bert,

Here you go: <https://intranet.tetrattech.com/eci/NRC/default.aspx>

By the way: Have you had a chance to put together any training notes on Alameda procedures yet? (I'd like to be able to show the NRC we're formalizing our training a little more.....)

Thanks!

(b)(7)(C)

(b)(7)(C)

Direct: (b)(7)(C)

| Fax: 757.451.4148 | Cell:

(b)(7)(C)

(b)(7)(C)

Tetra Tech EC | ESQ

Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetrattech.com

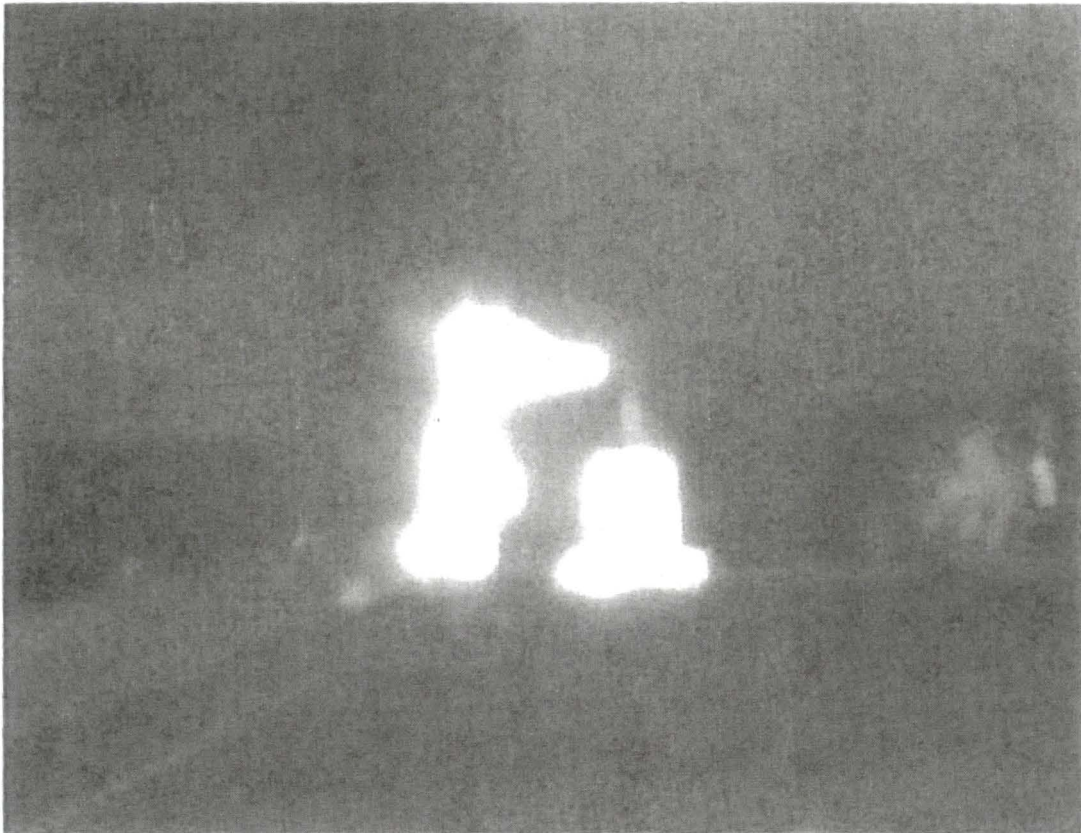
PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

RAD Safety Topic:

Fires and Radioactive Materials



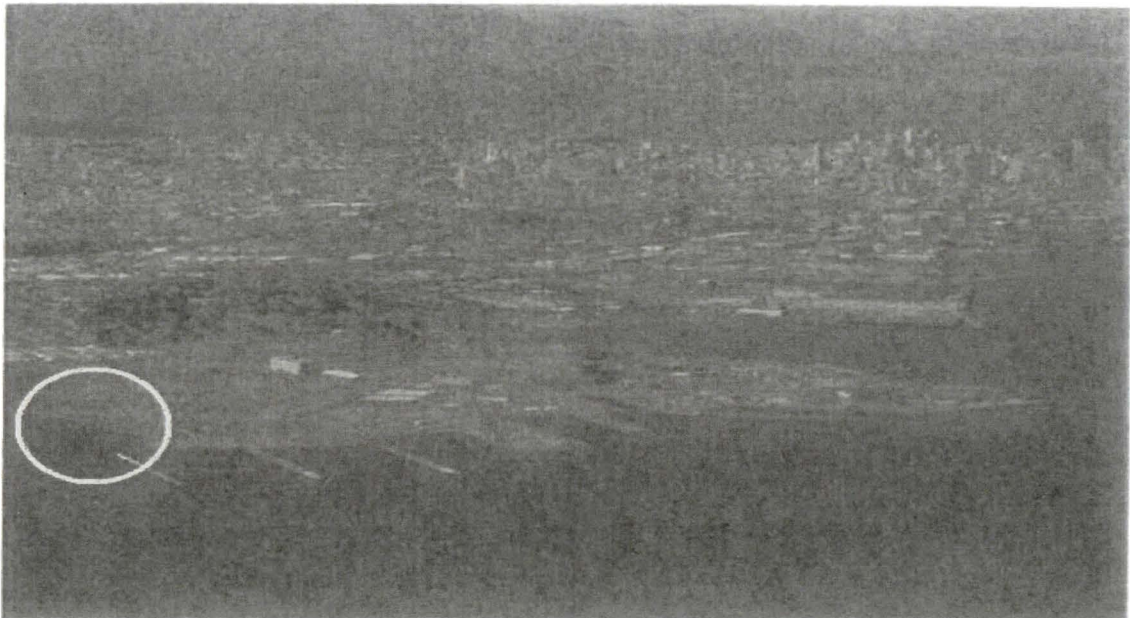
Victoria, TX: Truck carrying radioactive material crashes, catches fire

June 15, 2010: A pickup carrying radioactive material crashed and caught fire early Monday morning. The pickup crashed with another truck, which carried a crane. No one was injured. The truck fire was contained to the engine area, but a hazardous material unit was called out to conduct radiation tests. The tests were negative, according to a press release from the Victoria County Sheriff's Office. The truck, owned by PetroChem Inspection Services in Corpus Christi, carried an X-ray machine used in oil fields and chemical plants. It was carrying radium 192, said Victoria Fire Department Battalion Chief Roger Hempel, but none of the material escaped the truck. (Story by Erica Rodriguez of *The Victoria Advocate*)

Hunters Point Shipyard

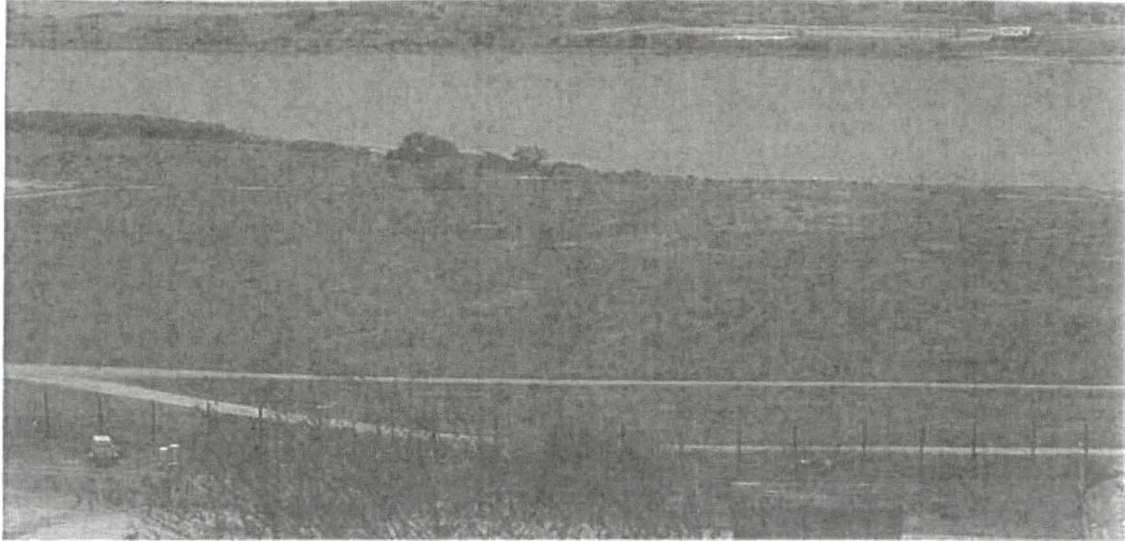


According to the site Historical Radiological Assessment (HRA) document, significant portions of the shipyard are categorized by the US Navy as impacted areas due to prior activities confirmed or suspected to involve the use and/or presence of radioactive materials subject to regulated control.

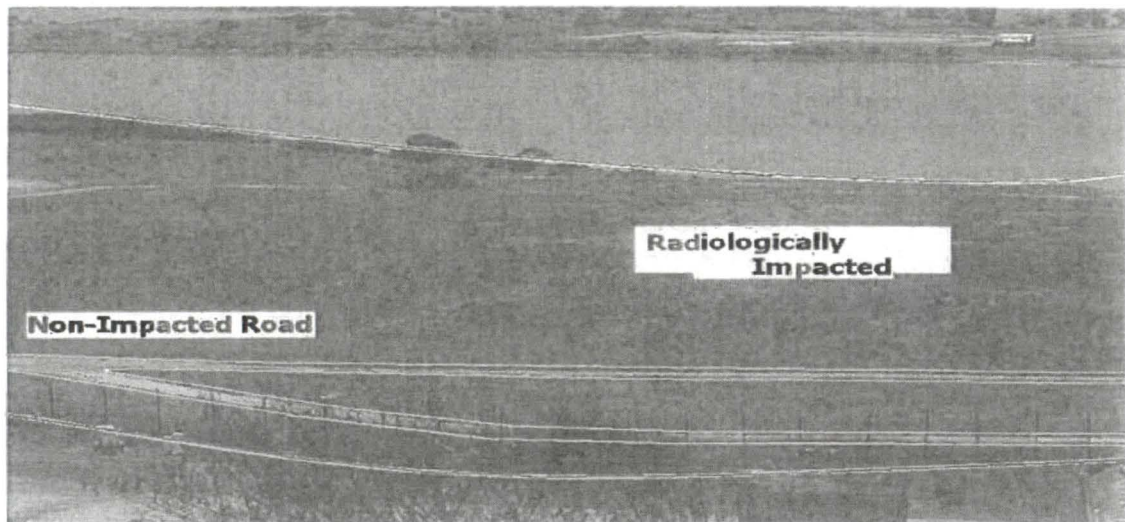


This presentation pertains to a recent event that occurred in an impacted portion of the Hunters Point Shipyard referred to as Parcel E.

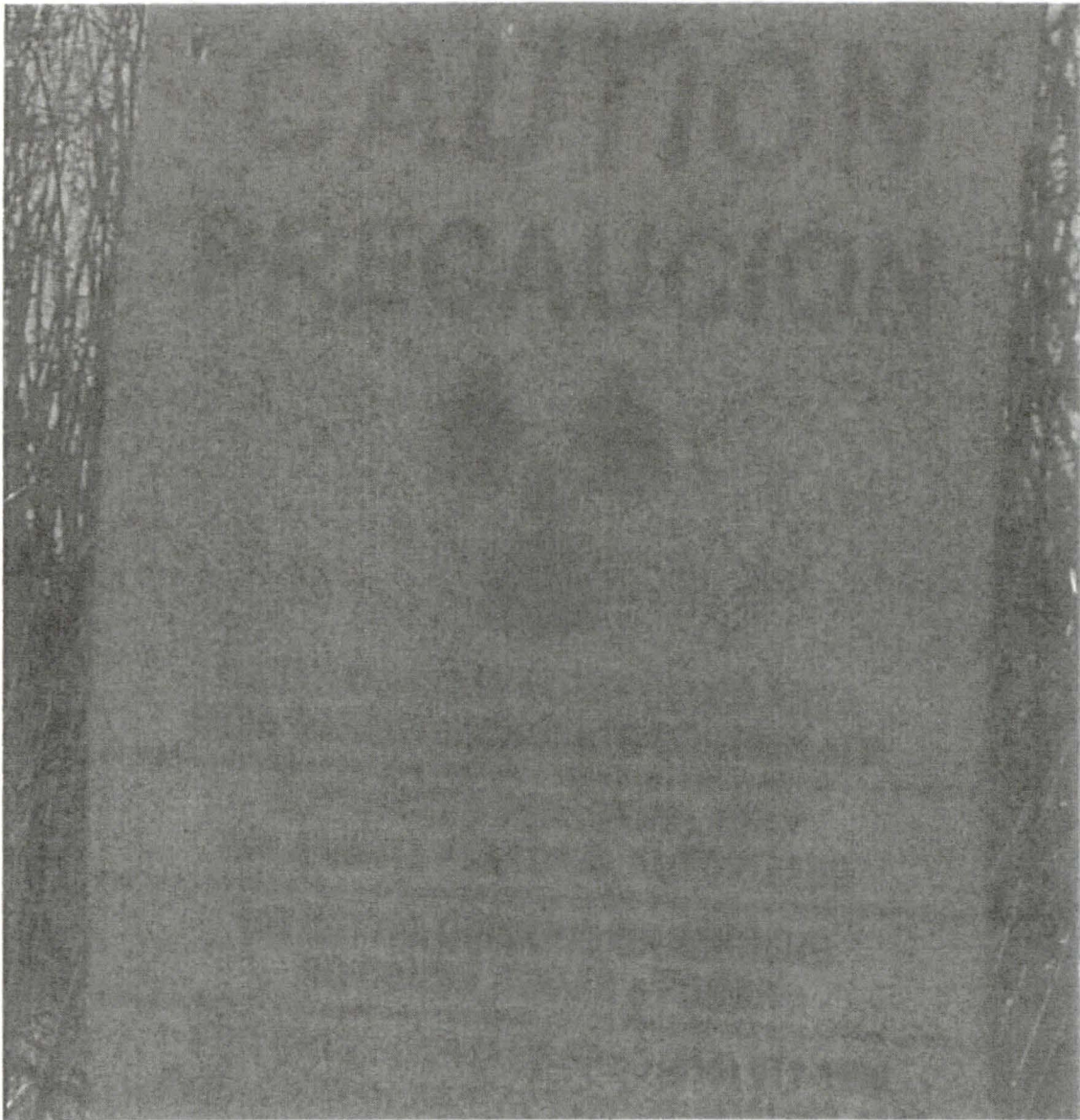
Background Information:



Historically significant activities associated with the Hunters Point Parcel E sector involve its use as a designated burial location for various forms/types of site generated waste. Examples of the waste involved include (but is not limited to) products classified as chemical, petroleum, biological, asbestos, and radiological concerns. A vagrant apparently touched off a brush fire on or around Aug. 16, 2000 in the Parcel E landfill which transformed into an underground fire that burned for three months, re-igniting four times.

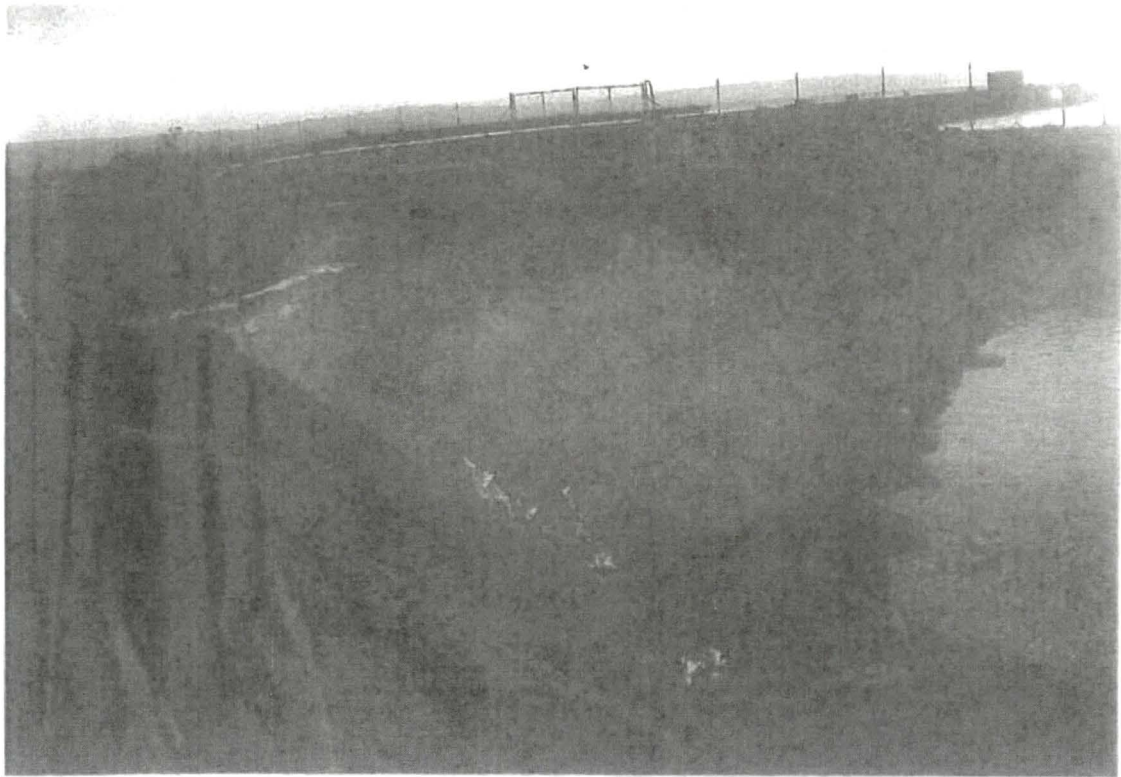


Because of radiologically based concerns associated in large part with the impacted landfill, all of Parcel E is presently designated as a Radiologically Controlled Area. Non-Impacted roadways are established throughout Parcel E as indicated in the picture above. To establish the road, a heavy duty liner was first placed where the roadway was to be constructed, followed by the placement of non-impacted import (sand and gravel) to serve as the road building material. Currently, Parcel E roadway access is restricted only to authorized site personnel. The road is also routinely maintained to limit potholes and accelerated deterioration.

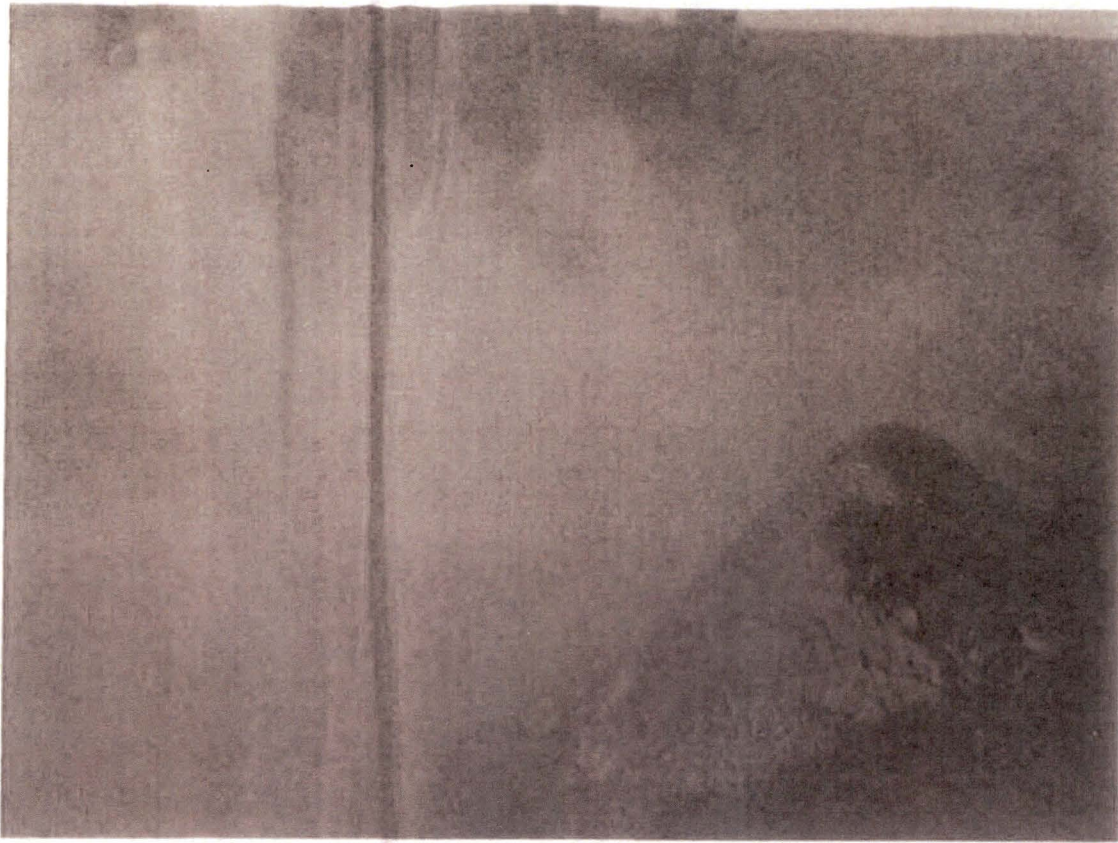


Example of a radiological controls posting at Hunters Point Shipyard as established along active portions of the non-impacted Parcel E roadway.

The event:



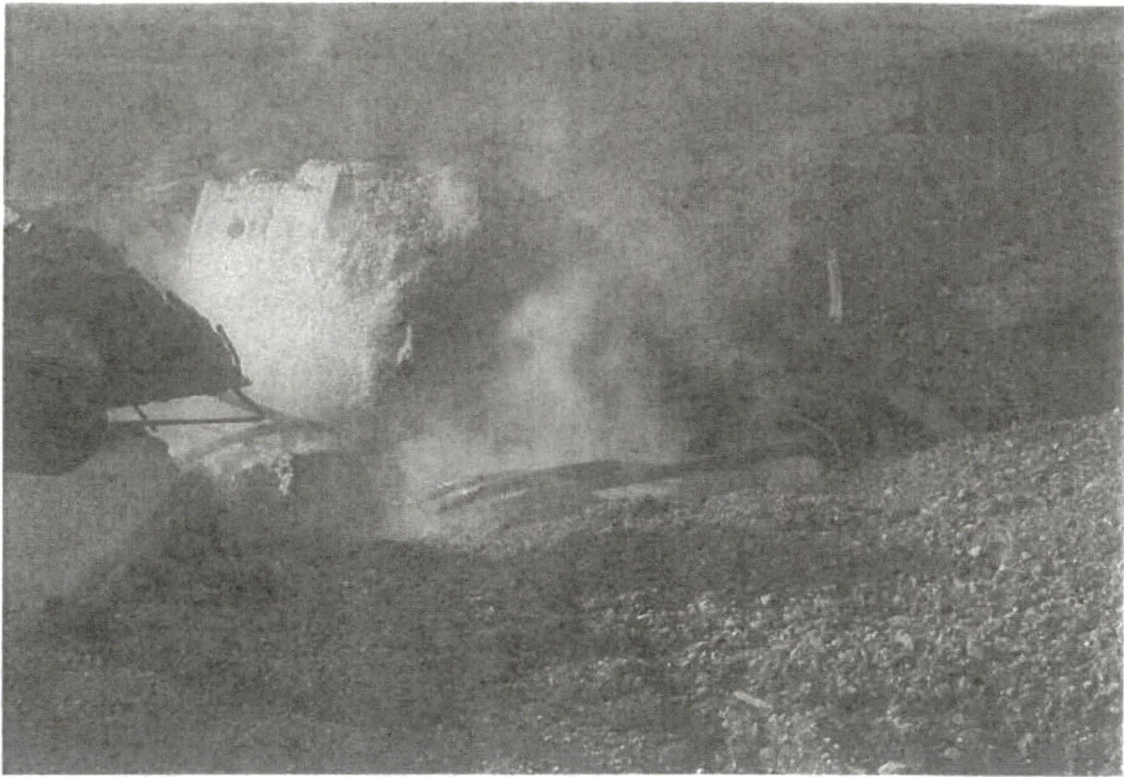
During the early morning hours of November 24, 2010, representatives of Shaw Environmental informed Tetra Tech staff of a fire observed burning along a portion of the Parcel E shoreline referred to as "Metal Debris Reef"



The weather conditions near the area of the fire were calm; clear skies prevailed and temperatures were in the mid to upper 40's.

(b)(7)(C)

Upon arrival of Tetra Tech staff to the scene, Shaw personnel were at the source of the fire with a water truck staged. Attempts to extinguish the fire were underway.



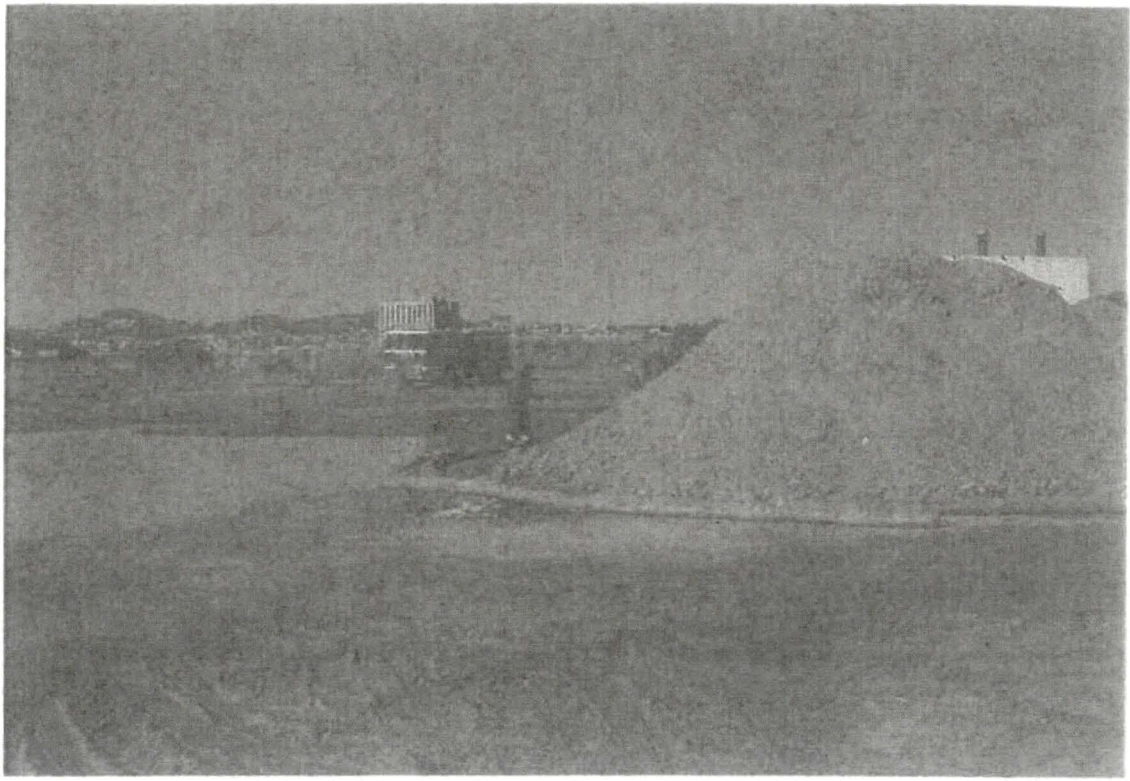
Closer inspection revealed that the fire was centered on some insulated cable dumped along the shoreline and situated directly under a keel block. Multiple footprints were also observed along nearby portions of the shoreline at the water's edge. Vandals (aka: "Copper Miners") were immediately suspected (i.e., as supported by past events of attempted theft in abandoned buildings involving the removal of copper wiring).

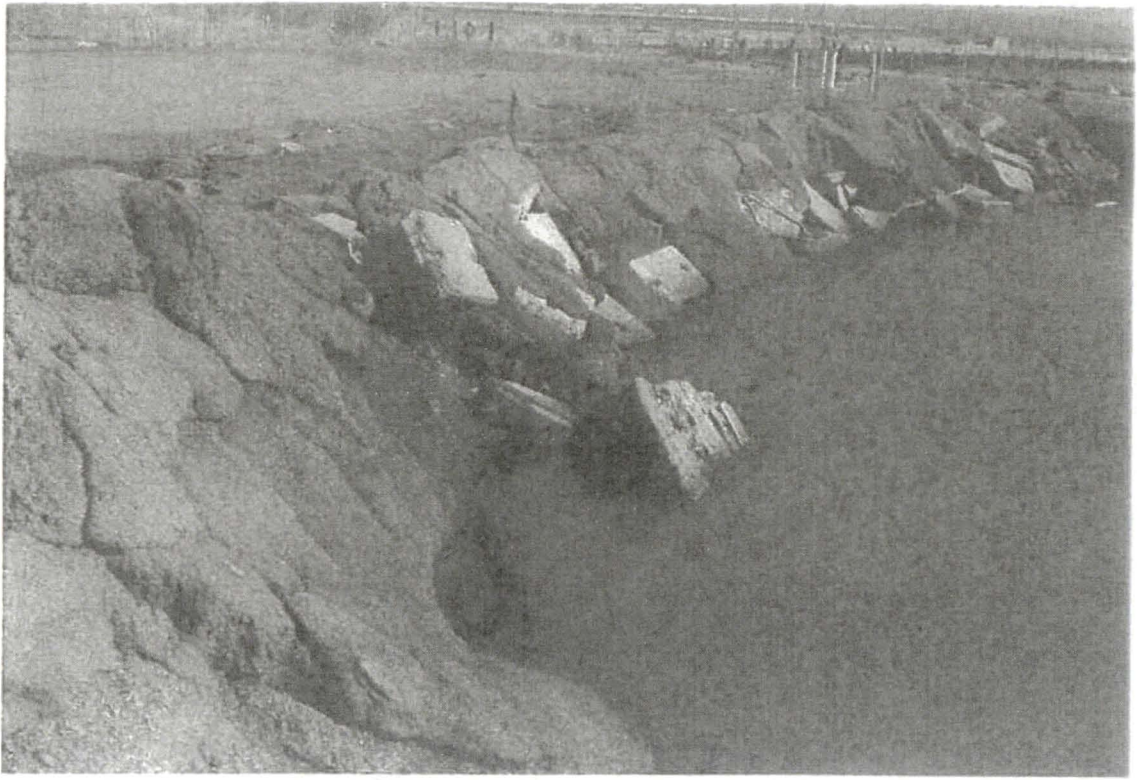
Additional information: The impacted area of the fire is subject to Tetra Tech jurisdiction under its NRC issued materials license.

QUESTION:

In responding to a similar event – and under like conditions / circumstances at Alameda - what considerations / actions are required to be addressed and under what general categories would those considerations / actions fall? (Hint: Look at the pictures to follow)

(b)(7)(C)





From: Bowers, Bert
Sent: Thursday, March 03, 2011 11:05 AM
To: (b)(7)(C)
Subject: RE: Alameda: RAD SOP Power Point Presentation (SOP Drafts 1-4)

OK... in parallel, will solicit (b)(7)(C) "field based" feedback / buy in as to what continues to be pared down from existing packages... being that so much (actually all) of this material is procedurally driven! Thanks for the quick turnaround! BB

From: (b)(7)(C)
Sent: Thursday, March 03, 2011 10:57 AM
To: Bowers, Bert
Subject: RE: Alameda: RAD SOP Power Point Presentation (SOP Drafts 1-4)

Looks good!

(b)(7)(C)

Direct: (b)(7)(C) | Fax: 757.461.4148 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | ESQ

Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert
Sent: Thursday, March 03, 2011 1:54 PM
To: (b)(7)(C)
Subject: RE: Alameda: RAD SOP Power Point Presentation (SOP Drafts 1-4)

(b)(7)(C)

Working off the examples provided this morning, attached is a draft for SOP 2 (specific only to instrument efficiency determinations). It's down to 5 slides and reflects the same Power Point template used for Corporate NLP-01. Before proceeding with the others, what do you think?

Thanks,

BB

From: (b)(7)(C)
Sent: Thursday, March 03, 2011 8:10 AM
To: Bowers, Bert
Subject: RE: Alameda: RAD SOP Power Point Presentation (SOP Drafts 1-4)

Hi Bert,

See if you can streamline them a little further. Preferably 4-5 slides per topic. I've attached one with a few slides cut out, and adjustments to some information from the SOP that was off a little. I've also attached an example of some slides for a corporate procedure.

(b)(7)(C)

(b)(7)(C)

Direct: (b)(7)(C) | Fax: 757.461.4148 | Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | ESQ

Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert
Sent: Thursday, February 24, 2011 1:32 PM
To: (b)(7)(C)
Subject: Alameda: RAD SOP Power Point Presentation (SOP Drafts 1-4)

Hi (b)(7)(C)

Please see attachments as provided. Presentation breakdown is as follows:

SOP 1 1 part

SOP 2 4 parts

SOP 3 1 part

Sop 4 2 parts

All presentations closely mirror procedural guidance "as is" also, none should take more than 15 minutes to complete..... I'll await your feedback!

Thanks,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: Bowers, Bert
Sent: Tuesday, March 15, 2011 2:28 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: RE: RSR5 PO Tracker "Burn Rates"....

Will do.... thanks for clarifying! BB

From: (b)(7)(C)
Sent: Tuesday, March 15, 2011 1:47 PM
To: Bowers, Bert; (b)(7)(C)
Subject: RE: RSR5 PO Tracker "Burn Rates"....

Bert,

There is no issue with an individual item going over the limit identified on the tracker. Let me know if the total cost gets over 70%.

Thanks, (b)(7)(C)

(b)(7)(C)


Direct: (b)(7)(C) Fax: 510.523.4063 | Cell: (b)(7)(C)

(b)(7)(C)

Te: :h | Department

2000 Kollman Circle - Unit C. | Alameda CA 94501 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

 **Think Green - Not every email needs to be printed.**

From: Bowers, Bert
Sent: Tuesday, March 15, 2011 12:22 PM
To: (b)(7)(C)
Subject: RSR5 PO Tracker "Burn Rates"....

(b)(7)(C)

As of today's "PO Tracker" update, there's a field in the RSR5 category that now raises "near term" flags (as of this week and as follows for OT):

(b)(4)

Based on the information above, are we held strictly to each individual line item dollar value.... or to the "not to exceed total cost" bottom line amount?

Thanks,

Bert=

From: Bowers, Bert
Sent: Thursday, March 24, 2011 1:41 PM
To: (b)(4),(b)(7)(C)
Subject: Alameda: SOP-6, Drum Handling Procedures

(b)(4),(b)(7)(C)

In regards to the subject line above, Section 5.5 of the referenced procedure reads as follows:

"If individual containers suspected of containing discarded laboratory chemicals, reagents, or other potentially dangerous materials in small volumes are found, the Site Superintendent and SHSS, who will possess the necessary training to act as the Site Radiation Safety Officer, will be notified immediately prior to any removal or opening of the containers or bottles. If the Site Superintendent and/or SHSS approve the handling of these containers, they will be handled with extreme caution. Until otherwise identified or categorized, they will be considered explosive or shock sensitive wastes, and will be handled as described in the section above."

Question #1 . What is the intent of: ***"the Site Superintendent and SHSS, who will possess the necessary training to act as the Site Radiation Safety Officer"???*** (Do either, or both of you assume dual roles as "Site Superintendent" and/or "SHSS"..... or, does the recognized "Site Superintendent" and "SHSS" possess "necessary training" to act as Site RSO?)

Question #2 . Likewise, what is the intent of: ***"Until otherwise identified or categorized, they will be considered explosive or shock sensitive wastes, and will be handled as described in the section above"?*** (FYI, "the section above" as provided in the procedure refers to "Containers Containing Radioactive Waste", not "Containers Containing Explosive Shock-sensitive Waste").

Just needed your take on it in case I'm missing something, there's more to this than is obvious, etc...

Thanks,

Bert

=

From: Bowers, Bert
Sent: Friday, March 25, 2011 10:31 AM
To: (b)(7)(C)
Cc: [Redacted]
Subject: Alameda: SOP-8, Drum Handling Procedures

(b)(7)(C)

Thanks for the clarification/timely turnaround; I didn't think you'd agree w/ the verbiage "as currently listed"! I'll begin the FCR process w/ (b)(7)(C) as requested... (sorry about the "typos" - was asked at the last minute to get (b)(7)(C) to SFO and hurried to get this out before leaving.... hope that didn't lead you too far astray early on)!

Bert

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Environmental Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: (b)(7)(C)
Sent: Thursday, March 24, 2011 2:44 PM
To: Bowers, Bert; (b)(7)(C)
Cc: (b)(7)(C)
Subject: RE: Alameda: SOP-6, Drum Handling Procedures

Burt,

You are referencing SOP-8. SOP-6 is the SOP for sampling procedures for radiological surveys. SOP-8 is drum handling.

Answer to question #1

The Site Superintendent and SHSS, do not possess the necessary training to act as the Site Radiation Safety Officer. Technically, (b)(7)(C) and I do possess the necessary training to act as the Site Superintendent and SHSS. However, we do not assume these roles.

I believe that this should have been written to state that the Site Superintendent and SHSS should be trained as UXO personnel not as a RSOR. This is an obvious error that was most likely a relic of a previous project. In addition, the Site Superintendent and SHSS are not trained to a level

beyond awareness in UXO. Therefore, reference as to the training level of the Site Superintendent and SHSS should be removed.

Answer to question #2

I agree that the section immediately preceding section 5.5 is called "5.4 Containers Containing Radioactive Waste". Section 5.3 is called "Containers Containing Explosive Shock-sensitive Waste" and ends at the top of the page in which the reference states "as described in the section above". This reference is confusing. I do not like to reference previous sections with statements that refer to physical locations such as "above". This reference should state "as described in section 5.3".

Conclusion and direction forward

Thank you for pointing these deficiencies out. Please begin an FCR to address the required changes. If you need help in the FCR process, contact (b)(7)(C) with questions.

Thank you,

(b)(7)(C) Naval Air Station Alameda (b)(7)(C)
Cell: (b)(7)(C) | Main: 510.523.1582 | Fax: 510.523.4063 | Alternate Cell: (b)(7)(C)
(b)(7)(C)

Tetra Tech EC | Environmental Safety and Quality
Naval Air Station, 1090 1/2 W. Tower Ave | Alameda, CA 94501 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

 **Think Green - Not every email needs to be printed.**

From: Bowers, Bert
Sent: Friday, March 25, 2011 9:11 AM
To: (b)(7)(C)
Subject: RE: Alameda: SOP-8, Drum Handling Procedures

...not a problem (b)(7)(C) .. as I often times encounter the "Burt's" I'd be willing to bet your (b)(7)(C) likewise get's his share of the "Bert's"!

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: (b)(7)(C)
Sent: Friday, March 25, 2011 9:01 AM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: RE: Alameda: SOP-8, Drum Handling Procedures

Bert,

I apologize for the "Burt" that is how my (b)(7)(C) name is spelled.

Thanks,

(b)(7)(C) | Naval Air Station Alameda (b)(7)(C)
Cell: (b)(7)(C) | Main: 510.523.1582 | Fax: 510.523.4063 | Alternate Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | Environmental Safety and Quality

Naval Air Station, 1090 1/2 W. Tower Ave | Alameda, CA 94501 |

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Bowers, Bert
Sent: Tuesday, March 29, 2011 11:34 AM
To: (b)(7)(C)
Subject: FW: Alameda: SOP-8, Drum Handling Procedures, Section 5.5

(b)(7)(C)

In reference to the subject line above and the information to follow....

Present wording in SOP-8, Section 5.5:

"If individual containers suspected of containing discarded laboratory chemicals, reagents, or other potentially dangerous materials in small volumes are found, the Site Superintendent and SHSS, who will possess the necessary training to act as the Site Radiation Safety Officer, will be notified immediately prior to any removal or opening of the containers or bottles. If the Site Superintendent and/or SHSS approve the handling of these containers, they will be handled with extreme caution. Until otherwise identified or categorized, they will be considered explosive or shock sensitive wastes, and will be handled as described in the section above."

Proposed "FCR 04/06-11" modification to information above:

"During any radiologically controlled course of discovery involving single or multiple containers known or suspected to possess laboratory based chemicals, reagents, or like materials, the affected area(s) will be immediately secured and the site Radiation Safety Officer Representative (RSOR) promptly notified prior to proceeding further with assigned tasks (e.g., removal or opening operations, etc). If the RSOR, with Site Superintendent and SHSS concurrence, approves further handling actions to resume, the container(s) in question will be carefully processed using pre-established protocol for explosive/shock-sensitive waste (unless the material is confirmed to be different and subsequently re-categorized)."

...please advise if you're OK with the proposed modification (after which I'll incorporate into the referenced FCR) – or feel free to mark up / return as necessary. I'll run with whatever you send back!

Thanks,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: Bowers, Bert
Sent: Tuesday, March 29, 2011 11:42 AM
To: (b)(7)(C)
Subject: RE: Alameda: SOP-8, Drum Handling Procedures, Section 5.5

....many thanks, will run w/ it!

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: (b)(7)(C)
Sent: Tuesday, March 29, 2011 11:39 AM
To: Bowers, Bert
Subject: RE: Alameda: SOP-8, Drum Handling Procedures, Section 5.5

I'm okay with this.

(b)(7)(C) | Naval Air Station Alameda (b)(7)(C)
Cell: (b)(7)(C) | Main: 510.523.1582 | Fax: 510.523.4063 | Alternate Cell: (b)(7)(C)
(b)(7)(C)

Tetra Tech EC | Environmental Safety and Quality
Naval Air Station, 1090 1/2 W. Tower Ave | Alameda, CA 94501 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

 Think Green - Not every email needs to be printed.

From: Bowers, Bert

Sent: Wednesday, March 30, 2011 12:17 PM

To: (b)(7)(C)

Subject: Alameda SOP's 1-7: PowerPoint Presentation Drafts for (b)(7)(C)

(b)(7)(C)

In reference to the subject line above, attached are half of the PowerPoint review drafts for RAD SOP's 1-7 (eighteen total). The breakdown by title is as follows:

SOP-1: Radiation and Contamination Surveys (General Requirements, 3 slides)

Radiation and Contamination Surveys (Exposure Dose Rate Surveys, 3 slides)

Radiation and Contamination Surveys (Removable Contamination Survey - Swipes, 4 slides)

Radiation and Contamination Surveys (Removable Contamination Survey - LAWs, 4 slides)

Radiation and Contamination Surveys (Alpha/Beta Contamination Surveys, 4 slides)

Radiation and Contamination Surveys (Gamma Surveys, 4 slides)

SOP-2: Preparation of Portable Radiation and Contamination Survey Instruments (Calibration, 4 slides)

Preparation of Portable Radiation and Contamination Survey Instruments (Background Determinations, 4 slides)

Preparation of Portable Radiation and Contamination Survey Instruments (Chi-Square Test, 4 slides)

Preparation of Portable Radiation and Contamination Survey Instruments (Instrument Efficiency, 5 slides)

SOP-3: Release of Materials and Equipment from Radiologically Controlled Areas (4 slides)

SOP-4: Radiological Records (3 slides)

SOP-5: Radiological Protective Clothing Selection, Monitoring, and Decontamination (Donning and Doffing, 4 slides)

SOP-5: Radiological Protective Clothing Selection, Monitoring, and Decontamination (Monitoring Personnel, 4 slides)

SOP-5: Radiological Protective Clothing Selection, Monitoring, and Decontamination (Personnel Contamination and Decon, 4 slides)

SOP-6: Sampling Procedures for Radiological Surveys (4 slides)

SOP-7: Decontamination of Equipment and Tools (Initial Preparation and Planning, 4 slides)

SOP-7: Decontamination of Equipment and Tools (Removable / Fixed Decontamination and Follow-up, 4 slides)

Information within each package consists of 2-5 slides (per (b)(7)(C) and echoes - in an attempt to be "all inclusive" - established procedural protocol. In that regard, please advise if you're good to go with the content, or identify what (if anything) you prefer to delete and / or expand on, modify, etc! Once I receive your feedback, necessary steps to get a "Final Draft" out to Virginia will begin!

Thanks,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetratech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetratech.com

=

REFERENCE 41

From: (b)(7)(C)
Sent: Friday, April 01, 2011 4:28 AM
To: Bowers, Bert
Subject: RE: Bert Bowers: Completion of Alameda Assignment

Bert,

I will notify the HR Rep in the west.

Thank you.

(b)(7)(C)

Direct: (b)(7)(C) Main: 973.630.8000 | Fax: 973.630.8526 | Cell: (b)(7)(C)

(b)(7)(C)

(b)(7)(C)

Tetra Tech | Human Resources

1000 The American Road | Morris Plains, NJ 07950 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

 **Think Green - Not every email needs to be printed.**

From: Bowers, Bert
Sent: Thursday, March 31, 2011 6:42 PM
To: (b)(7)(C)
Subject: FW: Bert Bowers: Completion of Alameda Assignment

Hi (b)(7)(C)

The correspondence to follow is for your information as suggested by (b)(7)(C)

Regards,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: Bowers, Bert
Sent: Thursday, March 31, 2011 3:26 PM
To: (b)(7)(C)
Cc:
Subject: Bert Bowers: Completion of Alameda Assignment

(b)(7)(C)

In reference to the subject line above, this correspondence confirms today's 2:47 PM phone notification that tomorrow, April 1, 2011 will conclude Tetra Tech EC's support needs specific to Project No. 106-40440006 (RAD EMAC Task 6, IR-17 Seaplane Lagoon).

Regards,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetratech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetratech.com

=

REFERENCE 42

**duplicative of previously
provided records**

REFERENCE 43

duplicative of previously provided
records

REFERENCE 44

From: (b)(7)(C)
Sent: Friday, April 01, 2011 8:58 AM
To: Bowers, Bert
Subject: RE: Daily ESQ Topics 4-1-2011 Japans Radiation Effects on The U.S.

Thank you Bert.

I actually thought about sending it after a conversation I had with (b)(7)(C) who was so confused from listening to her (b)(7)(C) give their "educated opinions". So I thought I would research it for her. Once I did I figured it was a great topic for all of us!

(b)(7)(C)

Direct: (b)(7)(C) Direct Fax: 703-387-5576 | Cell: (b)(7)(C)

(b)(7)(C)

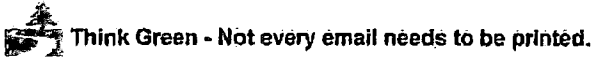
Tetra Tech | FC

2200 Wilson Blvd. Suite 400 | Arlington, Virginia 22201 | www.tetrattech.com

(b)(7)(C)

(b)(7)(C)

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



From: Bowers, Bert
Sent: Friday, April 01, 2011 11:54 AM
To: (b)(7)(C)
Subject: RE: Daily ESQ Topics 4-1-2011 Japans Radiation Effects on The U.S.

Bravo (b)(7)(C)

Well worded, accurately presented, and obviously conveyed by someone who knows what they're talking about.... having witnessed all the vicious terminology abuses and inaccurate facts frequently being conveyed across the television, radio, internet, etc, it's refreshing for a change to come across an article like this!!

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Cell: (b)(7)(C) | Main: 864.483.1789 | Fax: 650.376.3719 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

From: (b)(7)(C)
Sent: Friday, April 01, 2011 4:28 AM
Subject: Daily ESQ Topics 4-1-2011 Japans Radiation Effects on The U.S.

Daily ESQ Topic

April 1, 2011

JAPANS RADIATION EFFECT ON THE U.S.

Radiation Dispersal from Japan and the Effect on U.S. Workers

Efforts continue in Japan to contain the release of airborne radioactive contamination from the damaged Fukushima Daiichi power plant.

On March 17, 2011, President Obama, speaking outside the White House, stated "We do not expect harmful levels of radiation to reach the United States, whether it's the West Coast, Hawaii, Alaska, or U.S. territories in the Pacific. ..Furthermore, the Centers for Disease Control and Prevention and public health experts do not recommend that people in the United States take precautionary measures beyond staying informed."
[\[More...\]](#)

Radiation occurs in many forms at low levels as a part of everyday life, from residual cosmic radiation in the atmosphere to medical applications such as x-rays and CT scans. Taking extraordinary steps to prevent exposure to radiation in the absence of a known risk can create problems of its own. For example, potassium iodine pills, which are one such preventive measure, can cause intestinal upset, allergic reactions, and other symptoms, and should only be taken on the advice of emergency management officials, public health officials, or your doctor.

OSHA is working with other federal agencies to monitor domestic reports of radiation concerns and provide up-to-date worker protection information. This includes working jointly with NIOSH on a [worker information](#) page. This page provides information to help workers, employers, and occupational health professionals regarding the release of airborne contamination from the damaged Japanese power plant. If you have further questions, please contact the OSHA hotline at 1-800-321-OSHA (6742) | TTY 1-877-889-5627.

Incident-specific Information

- [Frequently Asked Questions About the Japan Nuclear Crisis](#) [62 KB PDF, 3 pages]. This is a Nuclear Regulatory Commission (NRC) document addressing common questions on radiation, exposure, precautions, travel, etc.
- [Radiation Basics](#). CDC/NIOSH Workplace Safety and Health Topics Page. Provides answers to questions on radiation, specific to this incident.
- [Current Situation in Japan](#). USA.gov. USA.gov is an interagency initiative administered by the U.S. General Services Administration's Office of Citizen Services and Innovative Technologies. It has links to various Government offices and their resources.

- Radiation Dispersal from Japan. CDC/NIOSH Workplace Safety and Health Topics Page. The National Institute for Occupational Safety and Health also provides updated information for workers.
- Japanese Nuclear Emergency Radiation Monitoring. US Environmental Protection Agency. The US Environmental Protection Agency's website for air monitoring data.
- CBP Statement Concerning Radiation Monitoring of Travelers, Goods from Japan. US Customs and Border Protection is monitoring developments in Japan and has issued field guidance reiterating its operational protocols and directing field personnel to specifically monitor maritime and air traffic from Japan.

Reference: <http://osha.gov/radiation-japan/index.html>

** Please note that the Daily ESQ Topic emails are meant to briefly describe issues that we may encounter both on and off the job. While the tips do include a substantial amount of helpful hints and information there is always more that could be added if further researched. They are not designed to be a full informational publication on a particular topic and therefore I encourage anyone who is seeking extra information to please research it at their leisure.*

(b)(7)(C)

Direct: (b)(7)(C)

Direct Fax: 703-387-5576 | Cell:

(b)(7)(C)

(b)(7)(C)

Tetra Tech | FC

2200 Wilson Blvd, Suite 400 | Arlington, Virginia 22201 | www.tetratechfc.com

(b)(7)(C)

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

=

REFERENCE 45

From: (b)(7)(C)
Sent: Friday, April 01, 2011 10:51 AM
To: Bowers, Bert
Subject: RE: Alameda: Corporate RSO Assignments

Thanks

(b)(7)(C) Naval Air Station Alameda (b)(7)(C)
Cell: (b)(7)(C) | Main: 510.523.1582 | Fax: 510.523.4063 | Alternate Cell: (b)(7)(C)
(b)(7)(C)

Tetra Tech EC | Environmental Safety and Quality
Naval Air Station, 1090 1/2 W. Tower Ave | Alameda, CA 94501 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



From: Bowers, Bert
Sent: Friday, April 01, 2011 10:51 AM
To: (b)(7)(C)
Subject: FW: Alameda: Corporate RSO Assignments

(b)(7)(C)

Just came across the email below which ended up in my draft folder.... was about to send it right as (b)(7)(C) popped in earlier this week! Instead, I briefed him on where we were on everything.... advised that you would follow up with him on the MOU, exams, training records, surveys, etc for the shared "P" drive.

Should you decide to implement their use with the tech's, original "hard copy" qual card packages for all 13 active RAD SOP's are here in the office (binders on desk). In parallel, PowerPoint presentation draft finals for RAD SOP's 1-7 (ready for your review and/or (b)(7)(C)) - were electronically forwarded earlier on.

As always, feel free to contact me if / as needed!

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality | Radiation Safety

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

////////////////////////////////////

(b)(7)(C)

Just a follow-up regarding the subject line above!

Thanks,

Bert

From: Bowers, Bert
Sent: Monday, March 21, 2011 9:58 AM
To: (b)(7)(C)
Subject: Alameda: Corporate RSO Assignments

(b)(7)(C)

As a follow up to our earlier conversation, to follow is one of the assignments (in multiple parts) as furnished to me by (b)(7)(C)

"Upload training records, sealed source inventories, MOU, dosimetry and weekly survey records for Alameda onto the TREC NRC Record SharePoint site."

To ensure the normal course of daily operations does not become impacted or deterred, please let me know how you feel these 5 action items should best be approached / completed.

Thanks,

Bert

=

REFERENCE 46

Sent: Friday, April 01, 2011 9:02 AM
To: Bowers, Bert
Subject: RE: Bert Bowers: Completion of Alameda Assignment

Hi Bert,

Gee whiz! That's sad to hear. Well, I wish you all the best and it's been a pleasure working with you also. Thanks for always getting the PO Tracker to me before it was due. Makes my life much easier.

And thanks for all the uplifting, happy emails! Always brought a smile to my face!

Take care,

(b)(7)(C)

Direct (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | Project Controls

17685 Von Karman Ave | Irvine, CA 92614-6213 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



From: Bowers, Bert
Sent: Thursday, March 31, 2011 4:48 PM
To: (b)(7)(C)
Cc: [Redacted]
Subject: Bert Bowers: Completion of Alameda Assignment

Hi (b)(7)(C)

I've been informed today that my present assignment here at Alameda will finish up tomorrow. In that regard, please remove my name from the current distribution list for weekly "PO Tracker" update notices and coordinate future RSRS based requests through (b)(7)(C).

It's been a pleasure working with you and I look forward to doing so again if future opportunities become available.

All the best!

Bert Bowers | Supervising ESO Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: (b)(7)(C) | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

From: (b)(7)(C)
Sent: Friday, April 01, 2011 10:21 AM
To: Bowers, Bert
Subject: RE: Completion of Alameda Assignment

This all seems to be a big bummer. Best wishes

From: Bowers, Bert
Sent: Friday, April 01, 2011 10:15 AM
To: (b)(7)(C)
(b)(7)(C)
Cc: (b)(7)(C)
Subject: Completion of Alameda Assignment

All,

Just a quick follow-up to thank you for the opportunities afforded to experience/contribute to your ongoing efforts at Alameda. The obviously high level of positive camaraderie, coupled with the observed degree of order and cleanliness in active radiological work locations, and within all other areas of responsibility, validate the presence of a uniquely personable, knowledgeable, and superior staff.

Thanks again and best of luck to each of you... I look forward to future opportunities to cross paths / work together again!

Regards,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality | Radiation Safety

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

=

Sent: Monday, April 04, 2011 4:16 PM
To: Bowers, Bert
Subject: RE: Completion of Alameda Assignment

Hi Bert,

What an awesome email!!

Thank you for including me.

(b)(7)(C)

Direct: (b)(7)(C)

(b)(7)(C)

Tetra Tech |

2000 Kollmann Circle Unit C | Alameda, CA. 94501 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert
Sent: Friday, April 01, 2011 10:15 AM
To: (b)(7)(C)
(b)(7)(C)
Cc: (b)(7)(C)
Subject: Completion of Alameda Assignment

All,

Just a quick follow-up to thank you for the opportunities afforded to experience/contribute to your ongoing efforts at Alameda. The obviously high level of positive camaraderie, coupled with the observed degree of order and cleanliness in active radiological work locations, and within all other areas of responsibility, validate the presence of a uniquely personable, knowledgeable, and superior staff.

Thanks again and best of luck to each of you... I look forward to future opportunities to cross paths / work together again!

Regards,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality | Radiation Safety

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

=

REFERENCE 47

From: Bowers, Bert
Sent: Monday, April 04, 2011 8:06 AM
To: (b)(7)(C)
Subject: RE: Bert Bowers: Completion of Alameda Assignment

Thanks (b)(7)(C) for your timely turnaround in responding.

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetratech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetratech.com

From: (b)(7)(C)
Sent: Monday, April 04, 2011 6:14 AM
To: Bowers, Bert
Subject: RE: Bert Bowers: Completion of Alameda Assignment

Hi Bert,

For time charging, you will need to use hours that you have banked previously, because we don't have a project for you to charge to right now. (I'm not sure what the code is, but I'm sure HR can walk you through that). As far as HPS is concerned, there is no role for you there at this time.

Thanks!

(b)(7)(C)
(b)(7)(C)
Direct (b)(7)(C) | Fax: 757.461.4148 | Cell: (b)(7)(C)
(b)(7)(C)

Tetra Tech EC | ESQ

Twin Oaks, Suite 309, 5700 Lake Wright Drive | Norfolk, VA 23502 | www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert
Sent: Monday, April 04, 2011 3:25 AM
To: (b)(7)(C)
Subject: FW: Bert Bowers: Completion of Alameda Assignment

(b)(7)(C)

In follow up to last Thursday's notification (see below) I've informed HR of my assignment completion at Alameda as you recommended. In parallel, I've been urgently reminded - based on the original request from (b)(7)(C) and you that I fill a need at Alameda, followed now it's completion (and all elements of the corresponding assignment letter) - to confirm with you the following:

- For administrative time recording purposes, what charge code(s) am I to use for the upcoming week of Saturday, April 2, 2011 through Friday, April 8, 2011?
- What is the present status of my role as related to Hunters Point now that the Alameda assignment is complete?

Thanks!

Bert

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

From: Bowers, Bert
Sent: Thursday, March 31, 2011 3:26 PM
To: (b)(7)(C)
Cc:
Subject: Bert Bowers: Completion of Alameda Assignment

(b)(7)(C)

In reference to the subject line above, this correspondence confirms today's 2:47 PM phone notification that tomorrow, April 1, 2011 will conclude Tetra Tech EC's support needs specific to Project No. 106-40440006 (RAD EMAC Task 6, IR-17 Seaplane Lagoon).

Regards,

Bert Bowers | Supervising ESQ Scientist | Naval Air Station Alameda | Radiation Safety
Cell: (b)(7)(C) | Main: 510.523.4825 | Fax: 510.523.4063 | Alternate: (b)(7)(C)
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

2000 Kollmann Circle, Unit C | Alameda, CA 94501

www.tetrattech.com

=

REFERENCE 48

From: Bowers, Bert
Sent: Monday, April 04, 2011 9:13 AM
To: (b)(7)(C)
Subject: RE: Alameda Assignment: "Signature Page" for Per Diem Extension to April 1, 2011

Thanks (b)(7)(C) .. that'll work, I'll start with (b)(7)(C) ... FYI, I'm swinging by Hunters Point after which I'll see you / (b)(7)(C) at Alameda to drop off some keys!

Bert

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

From: (b)(7)(C)
Sent: Monday, April 04, 2011 8:53 AM
To: Bowers, Bert
Subject: RE: Alameda Assignment: "Signature Page" for Per Diem Extension to April 1, 2011

Hi Bert.

Hope all is well. I do not recall getting the full extension document on that one - just the signature page. But I think you can get a copy from either

(b)(7)(C) or (b)(7)(C)
(b)(7)(C)
Direct: (b)(7)(C)
(b)(7)(C)

Tetra Tech |

2000 Kollmann Circle Unit C | Alameda, CA: 94501 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert

Sent: Sunday, April 03, 2011 11:42 PM

To: (b)(7)(C)

Subject: Alameda Assignment: "Signature Page" for Per Diem Extension to April 1, 2011

(b)(7)(C)

I meant to follow up with you last week regarding to the subject line above. On or around March 14TH or 15TH I stopped by at your request to sign a signature page which extended my Alameda per diem benefit to April 1, 2011.

In that regard (i.e., after signing), I never received a copy of the completed sheet reflecting all required signatures. Please advise as to whom I would get that from (along with the rest of the "extension" document). Many thanks in advance for your help!

Regards,

Bert

=

REFERENCE 49

From: Bowers, Bert
Sent: Monday, April 04, 2011 8:59 AM
To: (b)(7)(C)
Subject: Jeep Cherokee: Return to Hunters Point for Pick-Up per (b)(7)(C)

Hi (b)(7)(C)

In reference to the subject line above, the Jeep Cherokee (used while at Hunters Point) was transferred / used while also assigned recently at Alameda (b)(7)(C) arranged to transfer billing to Alameda as well). That assignment has since ended as of last Friday, April 1, 2011. In that regard, I spoke with (b)(7)(C) to make arrangements to return the vehicle. She asked that it be left at Hunters Point where some other vehicles were already scheduled to be picked up. That's been done but I still need to make arrangements to get the key to you (didn't want to leave it in the vehicle unlocked over the weekend!) I tried to contact you at your office phone but there was no answer and your voice mailbox was full – I left a message instead for (b)(7)(C) to relay to you.

I'm swinging through the area this morning while on the way for an appointment in San Francisco, would like to drop off the key then if OK. Please advise if that will work!

Thanks and "Hi" to all!

Bert

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

=

From: Bowers, Bert
Sent: Wednesday, April 06, 2011 9:09 AM
To: (b)(7)(C)
Subject: RE: Alameda, FCR 11

....attached!

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) Cell: (b)(7)(C) | Alternate: (b)(7)(C) Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

From: (b)(7)(C)
Sent: Wednesday, April 06, 2011 8:14 AM
To: Bowers, Bert
Subject: Alameda, FCR 11

Can u send me the word document for this FCR

Thanks

(b)(7)(C)

Direct: (b)(7)(C) Cell: (b)(7)(C)

(b)(7)(C)

Tetra Tech EC | Science

2000 Kollman Circle, Apt. C Alameda, CA, 94501 www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

=

Sent: Friday, April 08, 2011 9:32 AM
To: (b)(7)(C)
Cc: [redacted]
Subject: FW: LANDAUER, INC - INV #3988299 dated 03/22/11

FYI....

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

From: Bowers, Bert
Sent: Friday, April 08, 2011 9:31 AM
To: (b)(7)(C)
Cc: [redacted]
Subject: RE: LANDAUER, INC - INV #3988299 dated 03/22/11

All... see response sent earlier (below)

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) | Cell: (b)(7)(C) | Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

////////////////////////////////////

From: Bowers, Bert
Sent: Friday, April 08, 2011 9:27 AM
To: (b)(7)(C)
Cc: [redacted]
Subject: RE: LANDAUER, INC - INV #3988299 dated 03/22/11

Hi (b)(7)(C)

Sorry for the delay in a response.... network "disconnects" have prevented me from staying reliably connected to the Tetra Tech sites from my home office. I hope that's now been fixed!

In reference to the subject line above, (b)(7)(C) is the person you should direct questions to regarding Landauer invoice services for Hunters Point; (b)(7)(C) now administers the dosimetry program there.

Also, after completing a preliminary review the attachment, I would submit that the following charge fields first be investigated / validated with Landauer prior to moving forward with a payment authorization:

on prior invoices)

- "CTO 3 Unreturned Dosimeter Fee for 1 device (may be valid – appears to represent a lost device never returned)" & "CTO 3 Unreturned Dosimeter Fee for 36 devices" (appears in error*): \$513.59
- "CTO 18 Unreturned Dosimeter Fee for 5 device (may be valid – appears to represent lost devices never returned)" & "CTO 18 Unreturned Dosimeter Fee for 152 devices" (appears in error*): \$2167.10

"Looks very similar to "carryover errors" from prior invoices which required correction (past examples resulted due to an earlier CTO 3 / CTO 18 account re-configuration by Landauer and assignment of new ID numbers; the "unreturned charge" items kept getting carried over as a result!)

As always, feel free to contact me if additional information or feedback is needed (all phone #'s below are updated)!

Regards,

Bert Bowers | Supervising ESQ Scientist | Radiation Safety

Main: (b)(7)(C) Cell: (b)(7)(C) Alternate: (b)(7)(C) | Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

From: (b)(7)(C)
Sent: Tuesday, April 05, 2011 5:45 PM
To: Bowers, Bert
Cc: (b)(7)(C)
Subject: LANDAUER, INC - INV #3988299 dated 03/22/11

Hi Bert,

Do you happen to know the PO number for the attached invoice? If no PO, please advise how should this invoice be paid.

Thank you and have a nice evening.

(b)(7)(C)

Direct: (b)(7)(C) | Main: 619.234.8696 | Fax: 619.471.3576

(b)(7)(C)

Tetra Tech | Project Services

1230 Columbia Street, Suite 750 | San Diego, CA 92101 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

Sent: Thursday, April 07, 2011 4:06 PM

To: (b)(7)(C)

Cc: Bowers, Bert

Subject: FW: LANDAUER, INC - INV #3988299 dated 03/22/11

Hi (b)(7)(C)

Have not heard from Bert Bowers, so I'm forwarding this message to you. I think this is something that is normally paid by the PCard. If so, who do I send the original invoice to? Please advise.

Have a nice evening!

Thanks always.

(b)(7)(C)

Direct: (b)(7)(C) | Main: 619.234.8696 | Fax: 619.471.3576

(b)(7)(C)

Tetra Tech | Project Services

1230 Columbia Street, Suite 750 | San Diego, CA 92101 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: (b)(7)(C)

Sent: Tuesday, April 05, 2011 5:45 PM

To: Bowers, Bert

Cc: (b)(7)(C)

Subject: LANDAUER, INC - INV #3988299 dated 03/22/11

Hi Bert,

Do you happen to know the PO number for the attached invoice? If no PO, please advise how should this invoice be paid.

Thank you and have a nice evening.

(b)(7)(C)

Direct: (b)(7)(C) | Main: 619.234.8696 | Fax: 619.471.3576

(b)(7)(C)

Tetra Tech | Project Services

1230 Columbia Street, Suite 750 | San Diego, CA 92101 | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Think Green - Not every email needs to be printed.

From: Bowers, Bert

Sent: Friday, April 08, 2011 4:32 PM

To: (b)(7)(C)

Cc:

Subject: IT Record Update: Location of Assigned Laptop and Supplemental IT Equipment (Docking Station, Mouse, Keyboard & Monitor)

Hi (b)(7)(C)

Thanks for returning my call from last Friday! For any record update needs, and per our conversation just completed, IT office equipment supplied to me at Alameda (i.e., to supplement the laptop originally assigned while at Hunters Point) is now being used from my home office in (b)(7)(C) CA.

The assignment at Alameda was completed effective Friday, April 1, 2011.

As always, feel free to contact me if additional information or feedback is needed.

Regards,

Bert Bowers | Supervising ESQ Scientist | Radiation Safety
Main: (b)(7)(C) Cell: (b)(7)(C) | Alternate: (b)(7)(C) Fax: 650.376.3719
Bert.Bowers@tetrattech.com

Tetra Tech EC | Environmental Safety and Quality

656 Greenwich Lane | Foster City, CA 94404

www.tetrattech.com

=

REFERENCE 50