

**From:** Jennifer Knowlton  
**To:** [Mann, Ryan](#); [Yu, Olivia, EMNRD](#); [Hernandez, Christina, EMNRD](#)  
**Cc:** ["Ron Hillman"](#); ["Rocky Ray"](#); ["kalpers@aecn.com"](mailto:kalpers@aecn.com)  
**Subject:** RE: C-141 for West Pearl Queen Injection; 1RP-5090  
**Date:** Thursday, August 9, 2018 2:10:42 PM  
**Attachments:** image001.png

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Ryan,

We have contracted with a specialist to do a more appropriate depth to groundwater analysis. There weren't any wells close enough to this location in the OSE database to feel confident about the determination.

Once we have that information, we intend to submit a work plan for the pump building sump. We recognize that this isn't inclusive of the entire site. Armstrong is still evaluating possible options for cleanup for the remainder of the facility.

You will be copied on the work plan once it is prepared.

If you have any additional questions, please don't hesitate to contact me.

Thank you,

**Jennifer Knowlton, PE** | Regional Manager-Permian

HRL Compliance Solutions, Inc.

112 S. 6th Street | Artesia, NM 88210

main 575.616.7398 Ex. 414 | mobile 505-238-3588

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**From:** Mann, Ryan <[rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us)>

**Sent:** Wednesday, August 08, 2018 3:58 PM

**To:** 'Yu, Olivia, EMNRD' <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; Jennifer Knowlton <[jknowlton@hrlcomp.com](mailto:jknowlton@hrlcomp.com)>; 'Hernandez, Christina, EMNRD' <[Christina.Hernandez@state.nm.us](mailto:Christina.Hernandez@state.nm.us)>

**Cc:** 'Ron Hillman' <[rhillman@aecn.com](mailto:rhillman@aecn.com)>; 'Rocky Ray' <[rocky@aecn.com](mailto:rocky@aecn.com)>; 'kalpers@aecn.com' <[kalpers@aecn.com](mailto:kalpers@aecn.com)>; Herman Lucero <[hlucero@hrlcomp.com](mailto:hlucero@hrlcomp.com)>

**Subject:** RE: C-141 for West Pearl Queen Injection; 1RP-5090

Good afternoon all,

I am requesting an update on 1RP-5090, the West Pearl Queen Injection. Can you please advise of the work conducted up to this point?

Also, I was recently informed of a similar facility located nearby in T19S R35E Sec 27 SE4NW4. I am assuming this was also part of the acquisitions that the West Pearl Queen Injection came from based on the infrastructure and condition of the site. Can someone with a knowledge of the history of mergers/acquisitions between Xeric/Armstrong/Chevron please provide some information.

Thanks,

Ryan Mann

Remediation Specialist

Field Operation Division

(575) 392-3697

(505) 699-1989

New Mexico State Land Office

2827 N. Dal Paso Suite 117

Hobbs, NM 88240

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**From:** Mann, Ryan

**Sent:** Thursday, June 14, 2018 8:20 AM

**To:** 'Yu, Olivia, EMNRD' <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; Jennifer Knowlton <[jknowlton@hrlcomp.com](mailto:jknowlton@hrlcomp.com)>; Hernandez, Christina, EMNRD <[Christina.Hernandez@state.nm.us](mailto:Christina.Hernandez@state.nm.us)>

**Cc:** Ron Hillman <[rhillman@aecn.com](mailto:rhillman@aecn.com)>; 'Rocky Ray' <[rocky@aecn.com](mailto:rocky@aecn.com)>; [kalpers@aecn.com](mailto:kalpers@aecn.com); Herman Lucero <[hlucero@hrlcomp.com](mailto:hlucero@hrlcomp.com)>

**Subject:** RE: C-141 for West Pearl Queen Injection

Good morning All,

I want to confirm we are all talking about the same location. The facility in question is located in T19S R35E NWNE. Not T18S as indicated by the initial c-141. Also I agree the provided coordinates are incorrect. 32.62274167, -103.47555556 seem to be closer to the facility in question.

Ryan Mann  
Remediation Specialist  
Field Operation Division  
(575) 392-3697  
(505) 699-1989  
New Mexico State Land Office  
2827 N. Dal Paso Suite 117  
Hobbs, NM 88240

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**From:** Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]

**Sent:** Wednesday, June 13, 2018 1:47 PM

**To:** Jennifer Knowlton <[jknowlton@hrlcomp.com](mailto:jknowlton@hrlcomp.com)>; Mann, Ryan <[rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us)>; Hernandez, Christina, EMNRD <[Christina.Hernandez@state.nm.us](mailto:Christina.Hernandez@state.nm.us)>

**Cc:** Ron Hillman <[rhillman@aecnm.com](mailto:rhillman@aecnm.com)>; 'Rocky Ray' <[rocky@aecnm.com](mailto:rocky@aecnm.com)>; [kalpers@aecnm.com](mailto:kalpers@aecnm.com); Herman Lucero <[hlucero@hrlcomp.com](mailto:hlucero@hrlcomp.com)>

**Subject:** RE: C-141 for West Pearl Queen Injection

Ms. Knowlton:

No, the coordinates provided are incorrect. Both the RE permit and the topo image below reference the same location, which are the annotated revised GPS coordinates. NMSLO can verify.

Olivia

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**From:** Jennifer Knowlton <[jknowlton@hrlcomp.com](mailto:jknowlton@hrlcomp.com)>

**Sent:** Wednesday, June 13, 2018 1:30 PM

**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; Mann, Ryan <[rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us)>; Hernandez, Christina, EMNRD <[Christina.Hernandez@state.nm.us](mailto:Christina.Hernandez@state.nm.us)>

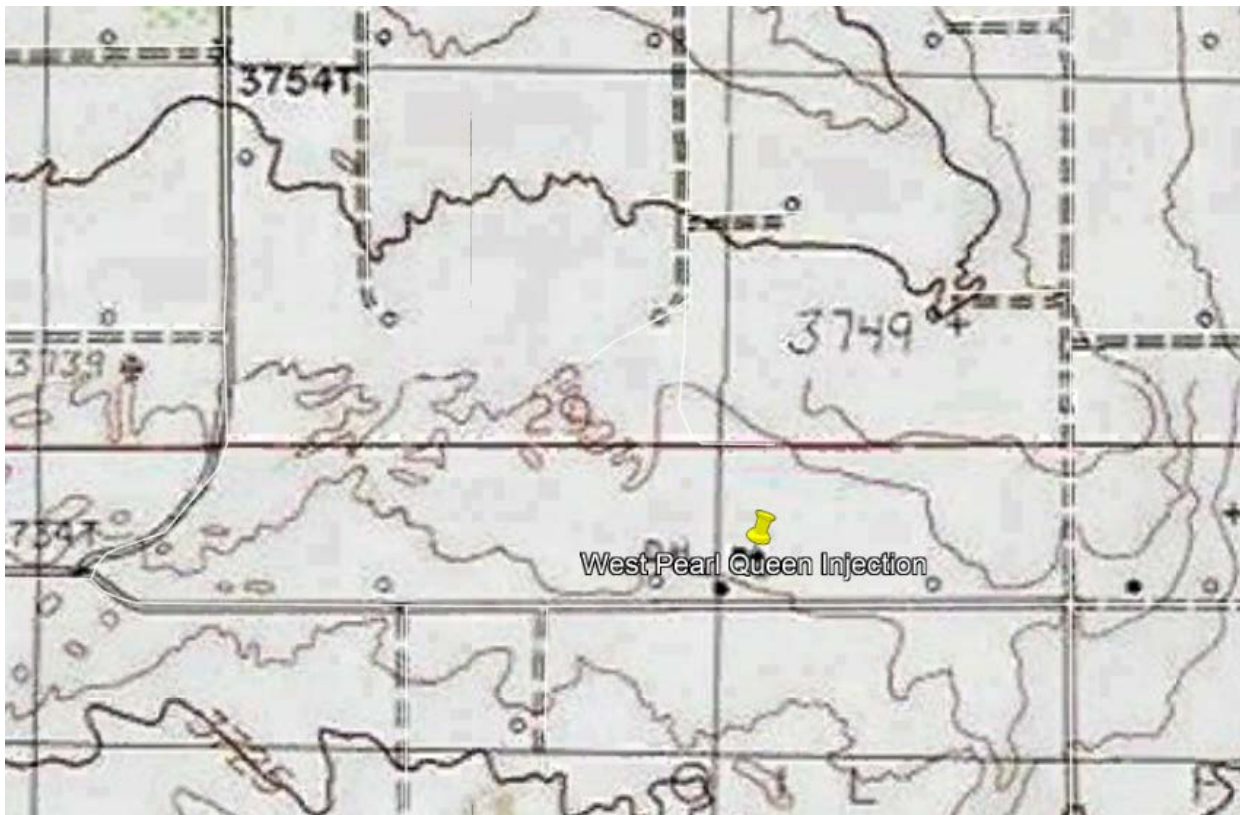
**Cc:** Ron Hillman <[rhillman@aecnm.com](mailto:rhillman@aecnm.com)>; 'Rocky Ray' <[rocky@aecnm.com](mailto:rocky@aecnm.com)>; [kalpers@aecnm.com](mailto:kalpers@aecnm.com); Herman Lucero <[hlucero@hrlcomp.com](mailto:hlucero@hrlcomp.com)>

**Subject:** RE: C-141 for West Pearl Queen Injection

Ms. Yu,

I think that the coordinate difference is just due reference system. See below.

Please note that we had to remove some contaminated soil in the removal of the pit to assess liner integrity. After removing the old compressor building, we also had to remove some soil as part of the sump removal. We will be delineating this site soon and submitting the work plan.



**Jennifer Knowlton, PE** | Regional Manager-Permian  
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**From:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>  
**Sent:** Wednesday, June 13, 2018 1:05 PM  
**To:** Jennifer Knowlton <[jknowlton@hrlcomp.com](mailto:jknowlton@hrlcomp.com)>; Mann, Ryan <[rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us)>; Hernandez, Christina, EMNRD <[Christina.Hernandez@state.nm.us](mailto:Christina.Hernandez@state.nm.us)>  
**Cc:** Ron Hillman <[rhillman@aecnm.com](mailto:rhillman@aecnm.com)>; 'Rocky Ray' <[rocky@aecnm.com](mailto:rocky@aecnm.com)>; [kalpers@aecnm.com](mailto:kalpers@aecnm.com); Herman Lucero <[hlucero@hrlcomp.com](mailto:hlucero@hrlcomp.com)>  
**Subject:** RE: C-141 for West Pearl Queen Injection

Dear Ms. Knowlton:

Please note that the GPS coordinates written on the C-141 do not match the latitude and longitude degrees provided on the RE-3768.

The 1RP for this incident is

<b>5090</b>	6/13/2018	A	Armstrong Energy Corp	West Pearl Queen Historic site		19S-35E-32B	unknown
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Please remember to include this 1RP identifier to all communications. Also, please be advised that a release characterization/delineation workplan as detailed in the attachment must be approved by NMOCD BEFORE any remediation work.

Thanks,

Olivia Yu  
Environmental Specialist

NMOCD, District I  
[Olivia.yu@state.nm.us](mailto:Olivia.yu@state.nm.us)  
575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

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**From:** Jennifer Knowlton <[jknowlton@hrlcomp.com](mailto:jknowlton@hrlcomp.com)>  
**Sent:** Wednesday, June 13, 2018 8:22 AM  
**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; Mann, Ryan <[rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us)>  
**Cc:** Ron Hillman <[rhillman@aecnm.com](mailto:rhillman@aecnm.com)>; 'Rocky Ray' <[rocky@aecnm.com](mailto:rocky@aecnm.com)>; [kalpers@aecnm.com](mailto:kalpers@aecnm.com); Herman Lucero <[hlucero@hrlcomp.com](mailto:hlucero@hrlcomp.com)>  
**Subject:** C-141 for West Pearl Queen Injection

Ms. Yu/Mr. Mann,

Attached please find a C-141 for the West Pearl Queen Injection Station. This will be a remediation/reclamation project. More details will be included in the work plan once we delineate the site more thoroughly.

Please feel free to contact me with any additional questions or concerns.

**Jennifer Knowlton, PE** | Regional Manager-Permian  
HRL Compliance Solutions, Inc.

main 575.616.7398 | mobile 505-238-3588  
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LEA COUNTY, N



