



**GRENORA STATION UPGRADE PROJECT / LITTLE MUDDY STATION
CONNECTION PROJECT**

Weekly Construction Status Report

Docket#: PU-11-605 and PU-11-606

May 27, 2013 through May 31, 2013

<i>Contacts</i>	<i>Name</i>	<i>Company</i>	<i>Office</i>	<i>Cell</i>
Project Manager- Grenora	Tim Kinney	Enbridge	715-857-9005	505-320-0207
Project Manager- Little Muddy	Tim Clausnitzer	Enbridge	715-857-9004	701-319-8606

Pipeline Construction

This Week's Activities

- No activity this week.(Grenora)
- Pipeline Complete(Little Muddy)

Next Week's Activities

- No activity planned. (Grenora)
- Pipeline Complete(Little Muddy)

Little Muddy to East Fork

Clearing	100%	Complete	Trenching	100%	Complete
Grading	100%	Complete	Lowering-in/Backfill	100%	Complete
Stringing	100%	Complete	Rough Cleanup	100%	Complete
Welding	100%	Complete	Hydro test	100%	Complete



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May 27, 2013 through May 31, 2013

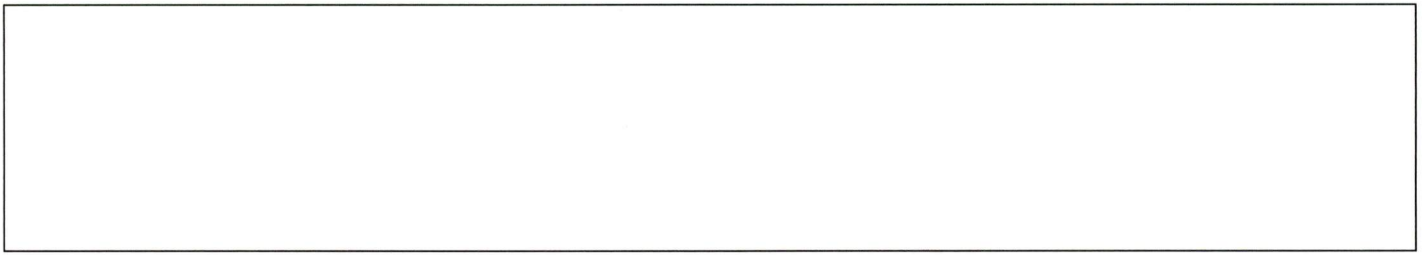
Facilities Construction

This Week's Activities

- Continue pulling cable(Grenora)
- Continue setting station instrumentation(Grenora)
- Continue ESB terminations(Grenora)
- Continue finish grade work(Little Muddy)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)
- Finish Wet Commissioning(Little Muddy)
- Continue Contractor Demobilization(Little Muddy)
- Finish installing clay liner(Little Muddy)
- Continue installing clay liner(Grenora)

Next Week's Activities

- Continue pulling cable(Grenora)
- Continue ESB terminations(Grenora)
- Continue installing clay liner(Grenora)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)



Grenora Expansion Project

<u>Activity</u>	<u>Station</u>
Civil Work	88% complete
Mechanical Work	96% complete
Tank Construction	96% complete

Little Muddy Project (US)

<u>Activity</u>	<u>Station</u>
Civil Work	94% complete
Mechanical Work	99% complete
Tank Work	98% complete

Grenora Expansion Project Updates

- Updated New Receivers to include metering and pressure control valve assemblies.
- Added New Switchgear Building due to change in Enbridge specification.
- Updated Tank Fill Manifold from 10" to 12".
- Updated Booster pumps from 125 HP to 200 HP.
- Updated Main line pumps from 1500 HP to 2000 HP.
- Increased station piping by 1780 ft.

Little Muddy Expansion Project Updates

- Update Booster pumps from 125 HP to 150 HP.
- Update Tank Fill Manifold from 10" to 12".
- Added New Switchgear Building due to change in Enbridge specifications.
- Eliminated transformer from the scope of the project.
- Abandoned existing ground bed and installed new deep well and rectifier.



**GRENORA STATION UPGRADE PROJECT / LITTLE MUDDY STATION
CONNECTION PROJECT**

Weekly Construction Status Report

Docket#: PU-11-605 and PU-11-606

May 20, 2013 through May 24, 2013

<i>Contacts</i>	<i>Name</i>	<i>Company</i>	<i>Office</i>	<i>Cell</i>
Project Manager- Grenora	Tim Kinney	Enbridge	715-857-9005	505-320-0207
Project Manager- Little Muddy	Tim Clausnitzer	Enbridge	715-857-9004	701-319-8606

Pipeline Construction

This Week's Activities

- No activity this week.(Grenora)
- Pipeline Complete(Little Muddy)

Next Week's Activities

- No activity planned. (Grenora)
- Pipeline Complete(Little Muddy)

Little Muddy to East Fork

Clearing	100%	Complete	Trenching	100%	Complete
Grading	100%	Complete	Lowering-in/Backfill	100%	Complete
Stringing	100%	Complete	Rough Cleanup	100%	Complete
Welding	100%	Complete	Hydro test	100%	Complete



GRENORA STATION UPGRADE PROJECT / LITTLE MUDDY STATION CONNECTION PROJECT

Weekly Construction Status Report

Docket#: PU-11-605 and PU-11-606

May 20, 2013 through May 24, 2013

Facilities Construction

This Week's Activities

- Continue pulling cable(Grenora)
- Continue setting station instrumentation(Grenora)
- Continue ESB terminations(Grenora)
- Continue finish grade work(Little Muddy)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)
- Finish Wet Commissioning(Little Muddy)
- Continue Contractor Demobilization(Little Muddy)
- Finish installing clay liner(Little Muddy)

Next Week's Activities

- Continue pulling cable(Grenora)
- Continue ESB terminations(Grenora)
- Start installing clay liner(Grenora)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)

Grenora Expansion Project

<u>Activity</u>	<u>Station</u>
Civil Work	87% complete
Mechanical Work	96% complete
Tank Construction	96% complete

Little Muddy Project (US)

<u>Activity</u>	<u>Station</u>
Civil Work	92% complete
Mechanical Work	98% complete
Tank Work	98% complete

Grenora Expansion Project Updates

- Updated New Receivers to include metering and pressure control valve assemblies.
- Added New Switchgear Building due to change in Enbridge specification.
- Updated Tank Fill Manifold from 10" to 12".
- Updated Booster pumps from 125 HP to 200 HP.
- Updated Main line pumps from 1500 HP to 2000 HP.
- Increased station piping by 1780 ft.

Little Muddy Expansion Project Updates

- Update Booster pumps from 125 HP to 150 HP.
- Update Tank Fill Manifold from 10" to 12".
- Added New Switchgear Building due to change in Enbridge specifications.
- Eliminated transformer from the scope of the project.
- Abandoned existing ground bed and installed new deep well and rectifier.



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Weekly Construction Status Report

Docket#: PU-11-605 and PU-11-606

May 13, 2013 through May 117, 2013

<i>Contacts</i>	<i>Name</i>	<i>Company</i>	<i>Office</i>	<i>Cell</i>
Project Manager- Grenora	Tim Kinney	Enbridge	715-857-9005	505-320-0207
Project Manager- Little Muddy	Tim Clausnitzer	Enbridge	715-857-9004	701-319-8606

Pipeline Construction

This Week's Activities

- No activity this week.(Grenora)
- Pipeline Complete(Little Muddy)

Next Week's Activities

- No activity planned. (Grenora)
- Pipeline Complete(Little Muddy)

Little Muddy to East Fork

Clearing	100%	Complete	Trenching	100%	Complete
Grading	100%	Complete	Lowering-in/Backfill	100%	Complete
Stringing	100%	Complete	Rough Cleanup	100%	Complete
Welding	100%	Complete	Hydro test	100%	Complete



GRENORA STATION UPGRADE PROJECT / LITTLE MUDDY STATION CONNECTION PROJECT

Weekly Construction Status Report

Docket#: PU-11-605 and PU-11-606

May 13, 2013 through May 17, 2013

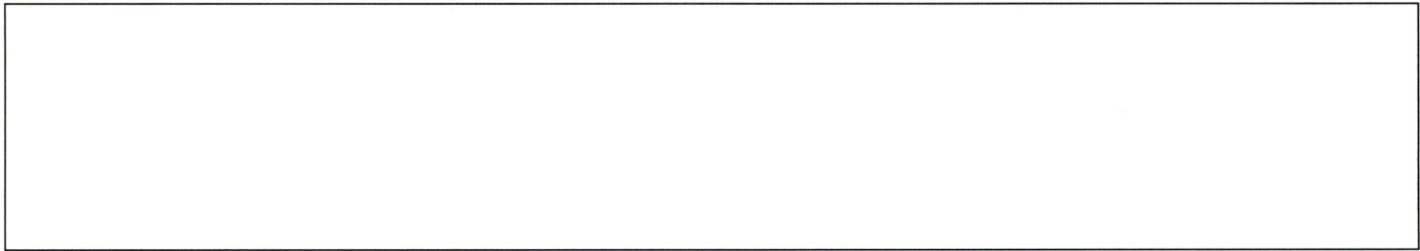
Facilities Construction

This Week's Activities

- Continue pulling cable(Grenora)
- Continue setting station instrumentation(Grenora)
- Continue ESB terminations(Grenora)
- Continue finish grade work(Little Muddy)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)
- Finish Wet Commissioning(Little Muddy)
- Install PSV(East Fork)
- Begin Contractor Demobilization(Little Muddy)

Next Week's Activities

- Continue pulling cable(Grenora)
- Continue ESB terminations(Grenora)
- Start installing clay liner(Grenora)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)
- Finish installing clay liner(Little Muddy)



Grenora Expansion Project

<u>Activity</u>	<u>Station</u>
Civil Work	87% complete
Mechanical Work	96% complete
Tank Construction	96% complete

Little Muddy Project (US)

<u>Activity</u>	<u>Station</u>
Civil Work	90% complete
Mechanical Work	98% complete
Tank Work	98% complete

Grenora Expansion Project Updates

- Updated New Receivers to include metering and pressure control valve assemblies.
- Added New Switchgear Building due to change in Enbridge specification.
- Updated Tank Fill Manifold from 10" to 12".
- Updated Booster pumps from 125 HP to 200 HP.
- Updated Main line pumps from 1500 HP to 2000 HP.
- Increased station piping by 1780 ft.

Little Muddy Expansion Project Updates

- Update Booster pumps from 125 HP to 150 HP.
- Update Tank Fill Manifold from 10" to 12".
- Added New Switchgear Building due to change in Enbridge specifications.
- Eliminated transformer from the scope of the project.
- Abandoned existing ground bed and installed new deep well and rectifier.



**GRENORA STATION UPGRADE PROJECT / LITTLE MUDDY STATION
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Weekly Construction Status Report

Docket#: PU-11-605 and PU-11-606

May 6, 2013 through May 10, 2013

<i>Contacts</i>	<i>Name</i>	<i>Company</i>	<i>Office</i>	<i>Cell</i>
Project Manager- Grenora	Tim Kinney	Enbridge	715-857-9005	505-320-0207
Project Manager- Little Muddy	Tim Clausnitzer	Enbridge	715-857-9004	701-319-8606

Pipeline Construction

This Week's Activities

- No activity this week.(Grenora)
- Pipeline Complete(Little Muddy)

Next Week's Activities

- No activity planned. (Grenora)
- Pipeline Complete(Little Muddy)

Little Muddy to East Fork

Clearing	100%	Complete	Trenching	100%	Complete
Grading	100%	Complete	Lowering-in/Backfill	100%	Complete
Stringing	100%	Complete	Rough Cleanup	100%	Complete
Welding	100%	Complete	Hydro test	100%	Complete



GRENORA STATION UPGRADE PROJECT / LITTLE MUDDY STATION CONNECTION PROJECT

Weekly Construction Status Report

Docket#: PU-11-605 and PU-11-606

May 6, 2013 through May 10, 2013

Facilities Construction

This Week's Activities

- Continue pulling cable(Grenora)
- Continue setting station instrumentation(Grenora)
- Continue ESB terminations(Grenora)
- Begin finish grade work(Little Muddy)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)

Next Week's Activities

- Continue pulling cable(Grenora)
- Continue ESB terminations(Grenora)
- Finish wet commissioning (Little Muddy)
- Continue pipeline tie – in plans(Grenora)
- Continue Dry Commissioning(Grenora)
- Install PSV(East Fork)
- Begin Contractor Demobilization(Little Muddy)

Grenora Expansion Project

<u>Activity</u>	<u>Station</u>
Civil Work	87% complete
Mechanical Work	96% complete
Tank Construction	96% complete

Little Muddy Project (US)

<u>Activity</u>	<u>Station</u>
Civil Work	90% complete
Mechanical Work	97% complete
Tank Work	98% complete

Grenora Expansion Project Updates

- Updated New Receivers to include metering and pressure control valve assemblies.
- Added New Switch gear Building due to change in Enbridge specification.
- Updated Tank Fill Manifold from 10" to 12".
- Updated Booster pumps from 125 HP to 200 HP.
- Updated Main line pumps from 1500 HP to 2000 HP.
- Increased station piping by 1780 ft.

Little Muddy Expansion Project Updates

- Update Booster pumps from 125 HP to 150 HP.
- Update Tank Fill Manifold from 10" to 12".
- Added New Switch gear Building due to change in Enbridge specifications.
- Eliminated transformer from the scope of the project.
- Abandoned existing round bed and installed new deep well and rectifier.