



Company	HESS Corporation
Project	Tioga Gas Plant Expansion
Location	Tioga, ND

Issue	
Revision	0
Author	BSW
Approval	
ND PSC Case	PU-10-120

Estimated Completion Date 11/1/13

Completion (pct) 67

WEATHER-8AM	Cold	Saturday, January 26, 2013	WEATHER-4PM	Cold
TEMPERATURE (F)-8AM	7		TEMPERATURE (F)-4PM	32

Equipment Onsite	Quantity	Hour	Company Onsite	Company		Indirect		Direct	
				Quantity	Hour	Quantity	Hour	Quantity	Hour
F-150 Pickup	19	760	HESS	2	120				
F-250 Pickup	17	680	Mustang Engineering			2	132		
Ford Explorer	4	160	Proforma			1	56		
Crew Vans	2	80	Blaine Services			2	180		
Enclosed Utility Trailer	3	120	PMT			3	230		
Fuel Trailers	1	40	W- Industries			1	84		
Flatdeck Trailers	14	140	Versa Tech			4	282		
Transport Trucks	3	178	Dakota Staffing			1	60		
Cat 140 Blade	1	28							
Mini Excavator	1	1	Braun					2	100
Cat 314 Excavator	1	15	Miller Insulation					10	360
CS-563E	1	12	Upland Services					4	180
CS-323C Smooth Drum	1	0	MMR					44	2,970
RT82 Walk Behind	2	3	Kiewit					275	12,680
RT 875 Crane	1	51	JD Steel					5	210
12000 Crane	1	45	Empire					73	2,840
999 Crane	1	62	Scott / Egan					6	270
Liebherr LR1200	2	113	Hughes Concrete					1	20
Liebherr 1600	1	69	Badger					2	60
Grove RT700E	1	51	Doomen					2	40
Tadano-GR-750XL 2	2	189	DFI					2	144
Kobelco CK 2500	1	69							
185 Compressor	4	25							
IR 425 Compressor	1	22							
Sullair 350 Compressor	1	0							
Welding Machines	9	235							
Portable Light Plant	31	1,177							
Generators	13	1,003							
Water Pumps	2	0							
Maintenance Trailers	2	0							
Cat Skidsteer	4	96							
Cat 950 Loader	1	35							
Man Lifts	20	800							
Scissorlifts	6	240							
36000 Lb Forklift	2	50							
12k Extendable Forklift	8	247							
Kawasaki - Mule	2	0							
Kubota RTV 1100	5	155							
Air Heater	20	1,737							
Mechanics Trucks	2	20							
Fuel / Lube Trucks	2	169							
Thawzall (221163)	3	132							
5000 lbs fork lift	1	60							
13,000 lbs fork lift	1	60							
60 ft manlift	2	10							
45 ft manlift	1	30							
sizzor lift	3	180							
single manlift	2	10							
skid steer	1	10							
8000 lbs fork lift	1	60							
<b>Weekly Total</b>		<b>9,429</b>	<b>Weekly Total</b>	<b>2</b>	<b>120</b>	<b>14</b>	<b>1,024</b>	<b>426</b>	<b>19,874</b>
<b>Project Total</b>		<b>291,434</b>	<b>Project Total</b>		<b>170,545</b>		<b>93,494</b>		<b>881,962</b>

Construction	Start	Percent	Construction	Start	Percent
ISBL Prio Civil Erthwrk	2011 Aug 11	97			
ISBL Pile	2011 Aug 21	100			
ISBL Fnd	2011 Oct 21	90			
ISBL Struc	2012 Feb 20	85			
ISLB Bldg	2012 Mar 12	93			
OSBL Earthwork	2011 Aug 18	99			
OSBL Pile	2011 Sep 21	100			
OSBL Fnd	2011 Oct 29	100			
OSBL Struc	2012 Sep 21	99			
OSBL Bldg	-	0			
ISBL Substation	2012 Apr 12	99			
OSBL Sphere	2012 Apr 16	94			
Warehouse Exp	2012 Feb 13	99			
Willbros	2013 Jan 01	100			

LAST WEEK

Kiewit - Structures pkaced concrete for MPS, formed up Area 22 peds and ZZZ structures, also patched pec door at MB-5687, built tent at MB-5075 for grade beam work, and patch and bush MPS in Areas 23 and 31. Steel crew bolt/rattled PR-22 section 1, shake out, stage, and bolt up Stair Tower #1, installed grating in val pushed pier caps for MPS, Mezzanine deck work in EB-6208.

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 Tioga Gas Plant Expansion project progress report -  
 Weeks ending 1-12, 1-19, and 1-26-2013

Steel crews also continued erection of MB-5687 building and start erection of MB-5240 building.  
Helical pile subcontractor will start work on Tuesday by drilling pile around EB-6208 then on the OSBL work.  
Pipe crew will continue racking pipe in PR-55, PR-22, PR-32, PR-22B, PR-02 and PR-12A. Continued prefab work in west and north laydown yards and weld out on various pipe.  
Mechanical crews plan on continuing work on pump alignment in MB-5687. Installing ship loose on skids inside MB-5722 building. Installing ship loose inside MB-5240. Ship loose on ZZZ-5305-4/5 skids. Installing grating and flange prep on ZZZ-5506/09.  
MMR- Received misc reels of cable and completed setting MCC's in Building 6208

#### THIS WEEK

Kiewit - Structures crews plan on placing concrete for ZZZ-5073/78 and MPS, will also patch pedestals in MB-5498, and MB-5722. Crews will fix door at MB-5687, build tent at MB-5075 for grade beam work, and patch and bush MPS in Areas 23 and 31.  
Steel crew will bolt/rattle PR-22 section 1, shake out, stage, and bolt up Stair Tower #1, installed grating in valve access platform, and make up bolts for MPS structures, also bushed pier caps for MPS, Mezzanine deck work in EB-6208. Shake out, stage, and ground erect refig platforms for MB-5498.  
Steel crews also continue erection of MB-5687 building and start erection of MB-5240 building.  
Helical pile subcontractor continues drilling pile around EB-6208 then on the OSBL work.  
Pipe crew will continue racking pipe in PR-55, PR-22, PR-32, PR-22B, PR-02 and PR-12A. Continued prefab work in west and north laydown yards and weld out on various pipe.  
Mechanical crews plan on continuing work on pump alignment in MB-5687. Installing ship loose on skids inside MB-5722 building. Installing ship loose inside MB-5240. Ship loose on ZZZ-5305-4/5 skids. Installing grating and flange prep on ZZZ-5506/09. Will set additional skids in MB-5722 and Area 21.  
MMR- Received cable tray and supports, reels of cable and unistrut

#### SAFETY

Activities for this week included:  
Continued SIMOP's meeting at 0645 every morning. Mass Safety Mtg on Tues, 22 Jan.  
ISBL: (Two Shifts: Day and Night Shift).  
Kiewit: Grading crews continue with snow removal, site maintenance and backfill operations with fine grading. Excavations made around driven piles for pier caps north of TEG Building. Pipe crews continue with installation, fitting and welding of pipe in various pipe racks 22, 22A, 21, 21a, 02, 32 and 42. Iron Workers continue with installation of structural steel, red iron for buildings MB- 5687, MB-5240, MB- 5722 plus boltup and rattle. Civil crews continue with making pours, setting and tearing down forms for pier caps and grade beams. Crane and rigging crews set ZZZ 5502 sections 2, 3, Vessel and 4. Set Fin Fans for E-5535 -5542. Crane crew moving 1200 and 999 cranes form site to north laydown area. Boom inspection and boom add on in process in crane laydown area. Bolt up crews continue with installation of spool pieces, and ship loose items for skids that have been set in place. DFI onsite screwing Helical Piles.  
JD Steel: Continue with rebar foundation fabrication.  
Empire: Continue with building and disassembly of scaffolds needed for pipe fabrication, welding and also for insulation of towers.  
Miller: Continue insulation of towers, vessels, and drums on areas where block-outs were made for shipping purposes.  
Scott Builders/Egan: Crews installing air handlers for EB-6208, also installing louvers in the compressor building and the electrical buildings. Paint crew completed floors and walls for EB-6208.  
MMR: Continue work on new plant alarm systems with cut-over into old plant systems. Working inside EB-6107, also continue with grounding efforts in areas 21, 22 and 23. Continue working inside EB-6208, pulling wire and setting cable trays.  
OSBL:  
Kiewit: Racking / Fitting/ Welding pipe into PR# 12 and 12A. Racking pipe in PR# 56, 55 and 55A.

#### VISITOR

**B Scott Wright**  
Construction Manager, TGP Expansion Project



ISBL Struc	2012 Feb 20	84							
ISBL Bldg	2012 Mar 12	93							
OSBL Fndn	2011 Oct 29	100							
OSBL Struc	2012 Sep 21	99							
ISBL Substation	2012 Apr 12	99							
OSBL Sphere	2012 Apr 16	94							
Warehouse Exp	2012 Feb 13	99							
Willbros	2013 Jan 01	100							

**LAST WEEK**

**SBI:** Received office trailers onsite, received 1/0 cable for air handlers in 6107 building and installed cable tray in 6107

**Kiewit:** Structures crews formed up and placed concrete at the Warehouse loading dock. Area 31 MPS, pile at MB-5075, and began work on the grade beams in MB-5075 and foundations for skids ZZZ-5073/78. Also will stripped Area 21 paving, warehouse paving, and Area 23 paving. Helical pile subcontractor DF1 to begin work augering and drilling for helical pile at the end of the week or beginning of next week. Steel crews continued work on the valve access platform, the stair towers #2 and 3#, as well as work in PR-22 on the top bents, and removal of ladders on the Niagaras. Started shake out and stage of stair tower #1, PR-22 section 1, and refrig platforms/ MPS platform. Millwrights wrapped up grout work in MB-5240 and continued on hooching and prepping for grout in PRs. Ship loose materials installed in ZZZ-5305, ZZZ-5724, and ZZZ-5104.

Pipe crews continued racking pipe in PR-55, PR-22, PR-32, PR-22B, PR-02 and PR-12A. Continued prefab work in west and north laydown yards and weld out on various pipe. Install pipe for lube oil and possibly more weld out for SS 36" pipe.

**MMR:** Received office trailers on site, 1/10 cable for air handlers in 6107 building and installed cable tray in 6107

**THIS WEEK**

**SBI:** Install large duct in EB6208. Install louvers and dampers in MB5498.

**Kiewit:** Structures crews plan on placing concrete for ZZZ-5073/78 and MPS, will also patch pedestals in MB-5498, and retaining wall at MB-5240. Crews will fix door at MB-5687, build tent at MB-5075 for grade beam work, and patch and bush MPS in Areas 23 and 31.

Steel crew will bolt/rattle PR-22 section 1, shake out, stage, and bolt up Stair Tower #1, installed grating in valve access platform, and make up bolts for MPS structures, also bushed pier caps for MPS, Mezzanine deck work in EB-6208.

Steel crews also continue erection of MB-5687 building and start erection of MB-5240 building.

Helical pile subcontractor will start work on Tuesday by drilling pile around EB-6208 then on the OSBL work.

Pipe crew will continue racking pipe in PR-55, PR-22, PR-32, PR-22B, PR-02 and PR-12A. Continued prefab work in west and north laydown yards and weld out on various pipe.

Mechanical crews plan on continuing work on pump alignment in MB-5687. Installing ship loose on skids inside MB-5722 building. Installing ship loose inside MB-5240. Ship loose on ZZZ-5305-4/5 skids. Installing grating and flange prep on ZZZ-5506/09.

**MMR:** Set up and connected MMR office trailers, terminated and tested cables for air handlers in MCC 6701, run cable tray in 6107 building, installed breakers in switch gear in 6107, run cable tray in 6107 building, installed breakers in switch gear in 6107 and received MMR Tools.

**SAFETY**

Activities for this week included:

Continued SIMOP's meeting at 0645 every morning. Mass Safety Mtg on Tues, 15 Jan.

ISBL: (Two Shifts: Day and Night Shift).

Kiewit: Grading crews continue with snow removal, site maintenance and backfill operations with fine grading. Pipe crews continue to fly pipe into PR's 2, 22, 22A, 23, 31, 31A, 32 & 43.

Welders continue to make welds in racks and in fabrication of spools in fab areas. Iron workers continue with bolt up and rattler of structural steel for valve platform, section 6 and 7 in PR 22. Fin Fan coolers brought in and set in place for E 5535- 5542 and 5508. Civil crews continue with work on new warehouse ramp on the westside. Erection of MB-5687 continues, as well as set up for MB 5240. Night shift continues to load pipe onto trailers for the next days shift.

JD Steel: Continue with rebar foundation fabrication.

Empire: Continue with building and disassembly of scaffolds needed for pipe fabrication, welding and also for insulation of towers.

Miller: Continue insulation of towers, vessels, and drums on areas where block-outs were made for shipping purposes.

Scott Builders/Egan: Crews installing refrigeration piping, and conduit for air movers in EB-6107 and EB-6208. Installing fans inside Compressor bldg along W. side. Continue with block wall erection in EB-6208.

MMR: Continue work on new plant alarm systems with cut-over into old plant systems. Working inside EB-6107, also continue with grounding efforts in areas 21, 22 and 23. Continue working inside EB-6208, pulling wire and setting cable trays.

OSBL:

Kiewit: Racking / Fitting/ Welding pipe into PR# 12 and 12A. Racking pipe in PR# 56, 55 and 55A.

**VISITOR**

**B Scott Wright**  
Construction Manager, TGP Expansion Project



Company	HESS Corporation
Project	Tioga Gas Plant Expansion
Location	Tioga, ND

Issue	
Revision	0
Author	BSW
Approval	
ND PSC Case	PU-10-120

Estimated Completion Date 11/1/13

Completion (pct) 65

WEATHER-8AM	Cold	Saturday, January 12, 2013				WEATHER-4PM	Cold
TEMPERATURE (F)-8AM	-13					TEMPERATURE (F)-4PM	2

Equipment Onsite	Quantity	Hour	Company Onsite	Company		Indirect		Direct	
				Quantity	Hour	Quantity	Hour	Quantity	Hour
F-150 Pickup	19	760	HESS	3	150				
F-250 Pickup	17	680	Mustang Engineering			3	224		
Ford Explorer	4	160	Proforma			1	98		
Crew Vans	2	80	Blaine Services			2	154		
Enclosed Utility Trailer	3	120	PMT			4	352		
Fuel Trailers	1	40	W- Industries			1	84		
Flatdeck Trailers	14	140	Versa Tech			4	256		
Transport Trucks	3	63	Dakota Staffing			1	60		
Cat 140 Blade	1	18							
Mini Excavator	1	0	Braun					2	100
Cat 314 Excavator	1	86	Miller Insulation					8	360
CS-563E	1	10	MMR					29	1,820
CS-323C Smooth Drum	1	0	Kiewit					220	12,320
RT82 Walk Behind	2	0	JD Steel					9	330
RT 875 Crane	1	0	Empire					59	2,950
12000 Crane	1	88	Upland Services					4	140
999 Crane	1	15	Scott / Egan					16	1,110
Liebherr LR1200	2	137	Hughes Concrete					1	30
Liebherr 1600	1	0	Badger					2	20
Grove RT700E	1	0	Doormen					5	170
Tadano-GR-750XL 2	2	51							
Kobelco CK 2500	1	27							
185 Compressor	4	2							
IR 425 Compressor	1	0							
Sullair 350 Compressor	1	0							
Welding Machines	9	135							
Portable Light Plant	31	476							
Generators	13	551							
Water Pumps	2	0							
Maintenance Trailers	2	0							
Cat Skidsteer	4	130							
Cat 950 Loader	1	67							
Man Lifts	20	800							
Scissorlifts	6	240							
36000 Lb Forklift	2	110							
12k Extendable Forklift	8	683							
Kawasaki - Mule	2	0							
Kubota RTV 1100	5	0							
Air Heater	20	1,072							
Mechanics Trucks	2	2							
Fuel / Lube Trucks	2	117							
Thawzall (221163)	3	77							
5000 lbs fork lift	1	20							
13,000 lbs fork lift	1	50							
60 ft manlift	2	10							
45 ft manlift	1	30							
sizzor lift	3	30							
single manlift	2	10							
skid steer	1	10							
8000 lbs fork lift	1	20							
5000 lbs fork lift	1	20							
13,000 lbs fork lift	1	50							
60 ft manlift	2	10							
45 ft manlift	1	30							
sizzor lift	3	30							
single manlift	2	10							
skid steer	1	10							
8000 lbs fork lift	1	20							
Weekly Total		7,297	Weekly Total	3	150	16	1,228	355	19,350
Project Total		272,461	Project Total		170,245		91,194		842,066

Construction	Start	Percent	Construction	Start	Percent
Flare Relo	2010 Oct 11	100			
ISBL Prio Civil Erthwrk	2011 Aug 11	97			
ISBL Prio Civil PR 22 Pile	2011 Sep 21	100			
OSBL 80 Acre Stg Area	2011 Aug 11	99			
OSBL Prio Civil Erthwrk	2011 Aug 18	99			
OSBL Prio Civil PR 55 and Sphere Pile	2011 Sep 21	100			
ISBL Pile	2011 Aug 21	100			
ISBL Fnd	2011 Oct 21	90			
ISBL Struc	2012 Feb 20	84			
ISBL Bldg	2012 Mar 12	93			
OSBL Fndn	2011 Oct 29	100			
OSBL Struc	2012 Sep 21	99			
ISBL Substation	2012 Apr 12	99			
OSBL Sphere	2012 Apr 16	94			
Warehouse Exp	2012 Feb 13	99			
Willbros	2013 Jan 01	100			

LAST WEEK

**Kiewit:** Structures crews cleaned trenches, drill and epoxy bar for peds in MB-5498, also strip forms, patch voids and winter protect in MB-5498. Crews also placed concrete for paving in Area 21, warehouse paving, Area 31 MPS, and lube oil skids; total of 105 CY. Crews will also erect forms, install void form, and remove water for Area 31 MPS. Also saw cut joints for warehouse paving. Steel crews will erect top bents of PR-22 section 6 & 7 shake out, stage and erect steel for valve access platform and Stair tower #2 and #3, weld clips on PR-02 and build grout forms for PR-22B.

Millwrights will bush D-5713 drum at extra work. Work on MB-5687 pumps, set up grout stations in MB-5240 Build grout hooches at D-5110, D-5212, and FL-5202. Prep flanges on ship loose for ZZZ-5724, ZZZ-5104. Anchor down ZZZ-5305 Move 12000 crane to the south, relocate 999 for mole sieve lift and move 1600 back to Area 31.

Pipe crews continue racking pipe in PR-55 PR-22, PR-32, PR-02, fitting in PR-12A. Weld out 16" on south road, fit pipe in PR-22 and PR-32. Weld out 30" in PR-22. Will also remove ladders from niagaras, stage spools. Fab yard work on PR-22 north and prep 16" in rack, and Area 41 lube oil 3" pipe. 36" weld on SS pipe.

SBI- Laid block where the fire wall goes in EB 6208. Install duct related to AHU,s in EB 6208. Install louvers and dampers in MB 5498.

MMR- received office trailers on site, 1/0 cable for air handlers in 6107 building, installed cable tray in 6107

**THIS WEEK**

**Kiewit:** Structures crews plan on forming up and placing concrete at the Warehouse loading dock, Area 31 MPS, and begin work on the grade beams in MB-5075 and foundations for skids ZZZ-5073/78. Also will strip Area 21 paving, warehouse paving, and Area 23 paving. Helical pile subcontractor DFI to begin work augering and drilling for helical pile at the end of the week or beginning of next week. Steel crews will continue work on the valve access platform, the stair towers #2 and #3, as well as work in PR-22 on the top bents, and removal of ladders on the Niagaras. Also will begin shake out and staging of refrig platform in MB-5498 as well as miscellaneous steel in various pipe racks and buildings.

Millwright will wrap up grout work in MB-5240 and continue on hooching and prepping for grout in PRs. Ship loose materials will be installed in ZZZ-5305, ZZZ-5724, and ZZZ-5104.

Pipe crews will continue racking pipe in PR-55, PR-22, PR-32, PR-22B, PR-02 and PR-12A. Will continue prefab work in west and north laydown yards and weld out on various pipe. Install pipe for lube oil and possibly more weld out for SS 36" pipe.

SBI- Continue duct installation in EB 6208. Continue with louver and dampers in MB 5948. Finishing laying block on fire wall & pillars as well.

MMR- Set up and connected MMR office trailers, terminated and tested cables for air handlers in MCC 6701, run cable tray in 6107 building, installed breakers in switch gear in 6107 and received MMR tools.

**SAFETY**

Activities for this week included:  
 Continued SIMOP's meeting at 0645 every morning. Mass Safety Mtg on Tues, 8 Jan.  
 ISBL: (Two Shifts: Day and Night Shift).

**Kiewit:** Grading crews continue with snow removal, site maintenance and backfill operations with fine grading. Pipe crews continue to fly pipe into PR's 2, 22, 22A, 23, 31, 31A, 32 & 43. Fitters making fit-ups while welders come in behind and continue with welding process in all pipe racks. Pipe being fabricated in No. laydown area and Fab area W. of flare. Completed spools are being trucked down to site. Iron workers continue to dress out towers, coolers and skids. Erecting structural steel for MB-5687. Civil crew completed paving in different locations in Areas 22, 42, 21, Compressor bldg and Warehouse ramps. Forms stripped and moved to new locations for future pours. Continue with grouting efforts in Compressor bldg and various places throughout the site. Building crews continue work on EB 6208 currently installing final trim work. Continue fabrication for doors in Compressor building. Continue dress-out of Skid 5104 inside TEG building. Continued setting skids, vessels and drums throughout the site. Set 3 Emulsifiers in place after off-loading from railcars. Shifted cranes around site to accommodate future lifting activities.

JD Steel: Continue with rebar foundation fabrication.

Empire: Continue with building and disassembly of scaffolds needed for pipe fabrication, welding and also for insulation of towers.

Miller: Continue insulation of towers, vessels, and drums on areas where block-outs were made for shipping purposes.

Scott Builders/Egan: Crews installing refrigeration piping, and conduit for air movers in EB-6107 and EB-6208. Installing fans inside Compressor bldg along W. side. Continue with block wall erection in EB-6208.

MMR: Continue work on new plant alarm systems with cut-over into old plant systems. Working inside EB-6107, also continue with grounding efforts in areas 21, 22 and 23. Continue working inside EB-6208, pulling wire and setting cable trays.

OSBL:

**Kiewit:** Racking / Fitting/ Welding pipe into PR# 12 and 12A. Racking pipe in PR# 56, 55 and 55A.

**VISITOR**

**B Scott Wright**  
 Construction Manager, TGP Expansion Project