

Permit Documents



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Natural Soda Holdings, Inc.
Disturbance and Well Abandonment Information

P. 2014-014

Disturbance Acreage					
NSHI OSR Well Pads and Road Construction Acreage					
Well Pad	Length	Width	ft ²	Acreage	Comment
OSR	na	na	149,500.0	3.43	
NSHI DS-6	100.0	150.0	15,000.0	na	Bonded under 2014 RDP
TOTAL WELL PAD DISTURBANCE, acres				3.43	
Access Road	Length	Width	ft ²	Acreage	Comment
NSHI DS-6	0.0	0.0	0.0	na	Included in gas line disturbance
OSR	0.0	0.0	0.0	na	Included in gas line disturbance
TOTAL ACCESS ROAD DISTURBANCE, acres				0.00	
Utilities	Length	Width	ft ²	Acreage	Comment
Gas Line 4" dia / Access Road	990.0	20.0	19,800.0	0.45	Includes access road to DS-6 and OSR pads
Electrical Overhead Wood Single	390.0	10.0	3,900.0	0.09	OSR portion only, does not include 8H
Sodium Pipeline 10" dia	885.0	15.0	13,275.0	0.30	
Water Pipeline 10" dia	885.0	10.0	8,850.0	0.20	
TOTAL UTILITY CORRIDOR and ACCESS ROAD DISTURBANCE, acres				1.05	
Wells	Sealing Material	Diameter, ft	Length, ft	Volume, ft ³	Comment
OSR-1	Portland Cement	1.45	2,897.0	4,783.8	
NSHI DS-6	na	na	na	na	Bonded under 2014 RDP
TOTAL WELL VOLUME, ft ³				4,784	

Disturbance Earthwork					
NSHI OSR Well Pad and Road Construction Earthwork					
Well Pad	Earthwork Volume (cu ft)	Earthwork Volume (cu yd)	Topsail Volume (cu ft)	Topsail Volume (cu yd)	Comment
OSR	181,611	6,726	74,733	2,768	
NSHI DS-6	na	na	na	na	Bonded under TR-35
Tot Earthwork (cy)		6,726	Tot Topsail (cy)	2,768	
Access Road	Earthwork Volume (cu ft)	Earthwork Volume (cu yd)	Topsail Volume (cu ft)	Topsail Volume (cu yd)	Comment
NSHI DS-6	na	na	na	na	Included in gas line disturbance
OSR	na	na	na	na	Included in gas line disturbance
Tot Earthwork (cy)		0	Tot Topsail (cy)	0	
Utilities	Earthwork Volume (cu ft)	Earthwork Volume (cu yd)	Topsail Volume (cu ft)	Topsail Volume (cu yd)	Comment
Gas Line / Access Road	na	na	9,900	367	Includes access road to DS-6 and OSR pads
Electrical	na	na	na	na	
Sodium Pipeline	na	na	6,638	246	
Water Pipeline	na	na	4,425	164	
Tot Earthwork (cy)		0	Tot Topsail (cy)	776	

Job	Equipment
Well Bore P&A	Cement truck
Re-grading	Cat DBT-85U or smaller
Rip compacted areas	Cat DBT-85U or smaller

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APR 03 2014

DIVISION OF RECLAMATION
MINING AND SAFETY