

# STEELFIELDS LTD

## PUBLIC INFORMATION BULLETIN

### Public Contacts

In the event of any concerns related to Steelfields remediation activities at the site, please contact the NYSDEC on-site monitor, Mr. Jim Tuk, at his on-site field office at 825-7355 or the Modern Construction, LLC field office at 825-1316. Both telephones have 24-hour answering machines. In addition, the following offices can be contacted with questions:

NYSDEC Region 9 Office 851-7220  
(Mr. Maurice Moore, Project Manager)

NYSDOH Buffalo Office 847-4385  
(Mr. Cameron O'Connor)

Steelfields Office 856-0635  
(Mr. Paul Werthman)

Note: Copies of the Remediation Work Plan, air monitoring reports and other documents are available for viewing at the Dudley Branch Library on South Park Avenue.

## STEELFIELDS LTD

Prepared By:



726 Exchange St.  
Suite 624  
Buffalo, NY 14210

For further information  
please visit  
[www.steelfieldsltd.com](http://www.steelfieldsltd.com)

### PURPOSE AND SCOPE

This project update summarizes the remedial work performed to date and details related to important remediation activities scheduled in Areas II, III, and IV for 2005. (See Figure 1). Remedialization for the start of the 2005 construction season has begun with excavation and earthmoving to resume the week of April 18th.

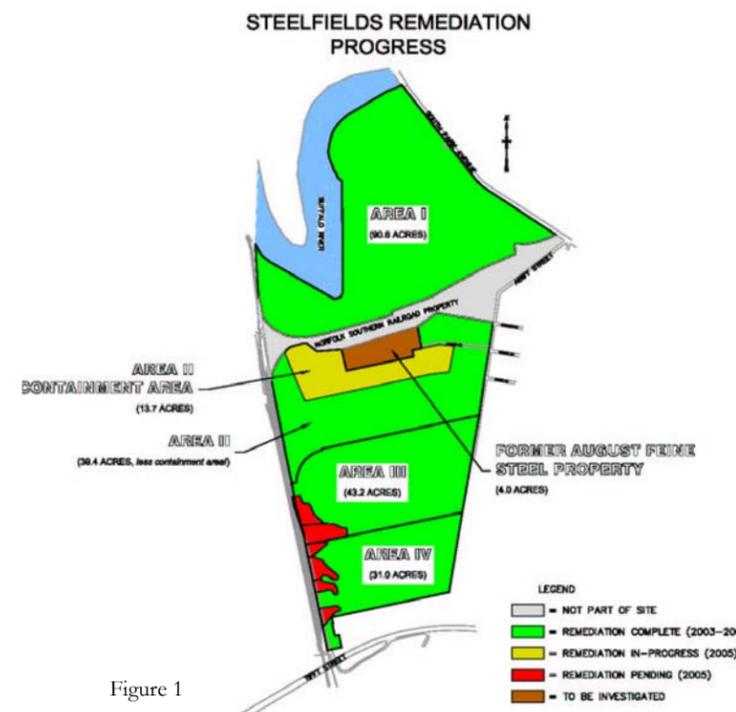


Figure 1

In this issue:

2004 Construction Progress  
Planned 2005 Construction Activities  
Contact Information

### Progress To Date

#### Area I - Former Republic Steel Plant Parcel

Area I remediation was completed in accordance with the requirements of the Voluntary Clean-up Agreement in 2003.

#### Area II - Former Donner-Hanna Coke Plant Parcel

Construction of the 14-acre containment cell in Area II began in 2003 with: a bentonite/soil slurry wall to control lateral movement of groundwater completed in October 2003; and the groundwater collection and treatment systems which were completed and became fully operational in February 2004.

Placement of soil/fill material that exceeded site specific action levels (SSALs) from other portions of the site were consolidated into the containment cell during the 2003 and 2004 construction seasons.

Several "infiltration galleries" were constructed in 2004 to address the five subsurface soil contaminant sources within Area II containment cell. Soil contaminants will be "flushed" from these five source areas using a portion of the groundwater from the collection system and applied through subsurface drainage pipes.

Modifications and improvements to the GWTP were completed in 2004 including a gravity separation unit to remove sediment and extend bag filter and granular activated carbon life.

A soil vapor extraction (SVE) system was installed above the subsurface soil contaminant source in the Area II berm during the fall of 2004. The soil gas is "vacuumed" from the subsurface

## Progress To Date—(cont'd.)

### Area II - Former Donner-Hanna Coke Plant - (cont'd)

through wells and treated by granular activated carbon housed in a mobile trailer. Operation of this system is seasonal and was discontinued in January due to freezing conditions. Operation will be restarted in April and continue until treatment objectives are met.

A sprayed-on temporary cover system was applied to the Area II containment cell in late December 2004 (see Figure 2). This "Posi-shell" cover provided a temporary surface barrier to reduce surface water infiltration, fugitive dust and potential odor of the soil/fill over the dormant winter months.

### Area III - Blue Stained Soil /Fill Remediation

Remediation of Area III blue-stained soil was significantly completed in 2004 (see Figure 3). Soil/fill with elevated lead and/or benzene was treated chemically, and placed in the Area II Contain-

ment cell for final disposition. Following sampling, analysis of treated soil/fill and approval by DEC, excavations were backfilled with soil tested to meet SSALs and then seeded. Excavation and treatment of the remaining western and southern limits of Subarea G is scheduled to be completed in 2005.



Figure 2  
Temporary containment cover system being applied.

### Area IV - Former Donner-Hanna Coke Yard Parcel

As of December 2003, the first phase of the excavation and reclamation of metallurgical coke residuals were completed in Area IV and for a small off-site area to the east of Area IV. The off-site excavations were backfilled with clean off-site borrow soils following testing. Full restoration (grading, backfill, and seeding) of Area IV continued through 2004 and is approximately 75% complete, awaiting Area III & IV tar soil/fill remediation.

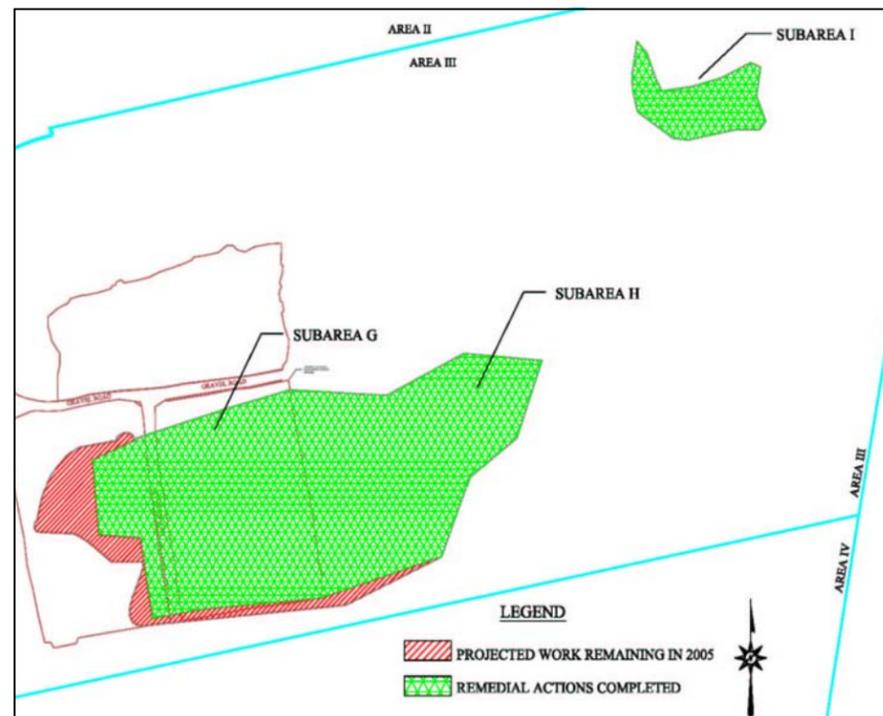


Figure 3

## Planned 2005 Activities

### Area II - Containment Cell and Source Area Remediation

The 14-Acre containment cell in Area II is scheduled for completion by the fall of 2005. All remaining soil/fill from the blue-stained and tar soil/fill remediation is scheduled to be placed in the cell this year, after which closure of the containment cell will begin. The containment cell cover system that will be constructed is shown in Figure 4. Soil/fill that has previously been placed in the containment cell will first be graded and compacted to designed elevations. Next a synthetic membrane will be placed and sealed over the soil/fill to eliminate direct contact and reduce surface water infiltration into the containment cell. An additional 18" of imported soil, will be placed upon the membrane and seeded.

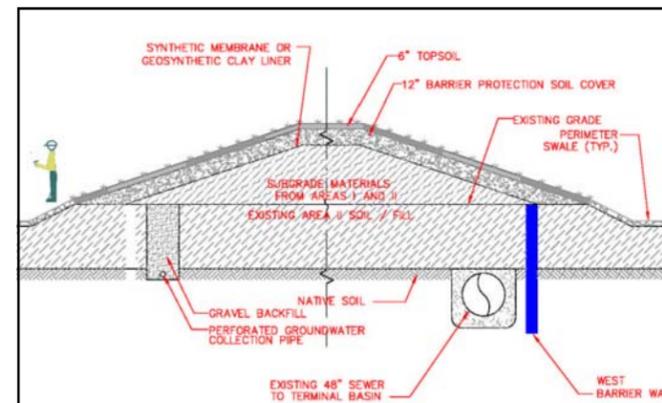


Figure 4

### Area III - Blue Stained Soil/Fill Remediation

Completion of Subarea G blue-stained soil/fill remediation is scheduled for early 2005. (See Figure 3) The blue-stained soil will be chemically treated using the same techniques as in 2004 and placed in the Area II containment cell. Special odor control methods will be employed as well as strict air quality monitoring during these activities.

### Area III & IV - Tar Soil/Fill Remediation

Tar-impacted soil/fill Subareas A-F (See Figure 5) are scheduled for remediation beginning in April or May. These soil/fill materials also contain naphthalene



Figure 5

with similar potential for odor as the blue-stained soils. As such, strict odor controls and air quality monitoring will be performed. Ingress/egress of all traffic related to this activity will be via Tift street. This remediation activity is expected to run more-or-less continuously through 2005.