description of each of these monitoring programs along with the associated data results can be found on the U. S. Steel web site referenced in this newsletter. The monitoring information is also located in the project public information repository in the Indiana Room of the Gary Public Library - Main Branch, which is located at 220 West 5th Avenue.

GARY WORKS ONLINE
U. S. Steel has set up a web site specifically to provide information about the Grand Calumet Sediment Remediation Project. The web site can be accessed through the U. S. Steel Gary Works home page, or directly through the address below. The web site offers information is also located in the project public information repository in the Indiana Room of the Gary Public Library - Main Branch, which is located at 220 West 5th Avenue.

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TOPICS INCLUDED IN THIS NEWSLETTER...
- First phase of Grand Calumet River dredging successfully completed
- Clearing of Headwaters Culvert completed
- Operations begin at the Water Treatment Plant
- Community Involvement Team Effort (CITE) meeting, May 21, 2003

The Grand Calumet Sediment Remediation Project at the Gary Works Facility.

PUS-II USB-245/246-101

U. S. STEEL GARY WORKS
GRAND CALUMET RIVER SEDIMENT REMEDIATION PROJECT
GCR Issue 2: May 2003

Visit the new U. S. Steel Grand Calumet Dredging Project Website: http://www.ussteel.com/corp/rcra/grand_calumet_river/remediation_index.htm
Biphenyl (PCB)-impact-

Polychlorinated

11,000 cubic yards of

2002. Approximately

on December 18,

Broadway. This phase

downstream of

section of the GCR

December 4, 2002 in a

dredging the sediment

U. S. Steel began

DREDGING ACTIVITIES

U. S. Steel began
dredging the sediment

PCB) in the GCR on

U. S. Steel resumed dredging, again

in the open waters of the lower 3.5

miles of the GCR project area. The

photograph on page 1 shows the

12" dredge being used in the open-

water dredging. Since February, the

dredging operation has advanced to

a point approximately 3,000 feet
downstream of Broadway or through

approximately 1.4 miles of the GCR.

In this portion of the river, an esti-
mated 104,000 cubic yards of sedi-

tments have been removed.

On February 25, 2003, U. S. Steel resumed
dredging, again in the open waters of the lower 3.5

miles of the GCR project area. The

photograph on page 1 shows the

12" dredge being used in the open-

water dredging. Since February, the

dredging operation has advanced to

a point approximately 3,000 feet
downstream of Broadway or through

approximately 1.4 miles of the GCR.

In this portion of the river, an esti-
mated 104,000 cubic yards of sedi-
tments have been removed.

On March 20, 2003, and concurrent

with the open-water dredging opera-
tions downstream, dredging began

in the upper 1.5 miles of the project

area. Dredging in this area is being

conducted within Cofferdam

Containment Cell A. Cofferdam

Containment Cells are structures that

have been constructed in the river to

isolate areas that will be dredged

and to allow the flow of the river to

be temporarily diverted around these

areas during dredging. Dredging in

Containment Cell A was completed

on April 26, 2003. Approximately

18,500 cubic yards of PCB-impacted

sediment was removed from this

portion of the river.

U. S. Steel conducted post-dredging

PCB sampling and analysis in

Containment Cell A, as required by

the Decree and Order. The analyti-
cal results are currently being evalu-
ated to confirm that, within

Containment Cell A, PCBs have

been removed to within U. S. EPA
accepted concentrations.

U. S. Steel is pursuing an aggressive

schedule for the dredging project.

U. S. Steel plans to complete the
dredging of hazardous sediments,
those sediments from within the

Containment Cells, by July 2003,
one month prior to the compliance

completion date of August 2003.

The dredging of non-hazardous

sediments is expected to be complet-
ed by September 2003, nearly a full

year ahead of the compliance

schedule.

CLEANING OF THE

HEADWATERS CULVERT

The Headwaters Culvert connects

the Grand Calumet River with its

headwaters lagoons (see map). Project

stakeholders, including the

CITE group, raised concerns about

contaminated sediments within

the headwaters culvert. In response
to these concerns, U. S. Steel devel-
oped a plan to remove these sedi-

ments from within the CAMU. The
culvert. On March 22, 2003, U.S. Steel complet-
ed this work after verifying removal of

approximately 500 cubic yards of

sediments.

THE WATER TREATMENT PLANT

The water treatment component of

the Grand Calumet Sediment

Remediation Project utilizes two (2)

separate water treatment processes
to treat the dredged water and

return it back to the river through an

existing U. S. Steel National Pollutant

Discharge Elimination System

(NPDES) permitted outfall. Both

processes are housed in a newly

constructed Water Treatment Plant

built on U. S. Steel property to the

east of the CAMU. The quality of the
discharge water is monitored to

assure compliance with the condi-
tions of the NPDES permit.

The first water treatment system is

the Chemically Assisted Clarification

(CAC) system that treats water
dredged from the lower 3.5 miles of

the project area and stored in Unit

1 of the CAMU. This system also draws

the water from just below the surface of

the CAMU. The PSWTP uti-

lizes a clarifier, sand fil-

ter and activated carbon

process equipment to

remove suspended

solids and contaminants.

The treated water is then returned to

the river through the permitted out-

fall.

Once the dredging and subsequent
dewatering at the CAMU is com-

plete, the PSWTP will be converted

into the Leachate Treatment Plant.
The Leachate Treatment Plant will

process the leachate, or waters that

are in contact with the disposed sed-

diments, prior to final closure of the

CAMU. The PSWTP will also process

the leak detection waters from the

CAMU for the life of the CAMU.

MONITORING

U. S. Steel continues to implement

those measures necessary to ensure

air and water quality is protected

during the dredging project. A