

Reynolds Metals (Massena)

Site Description

A 30-acre nearshore area in the St. Lawrence River, adjacent to the 1,600-acre Reynolds Facility, an active aluminum production plant.

Potential Responsible Parties (PRPs)

The current PRP is Alcoa Inc., formerly Reynolds Metals Company.

Threats and Contaminants

The constituents of concern are polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs) and total dibenzofurans (TCDFs).

Cleanup Approach Update Since 2004

A five year review was conducted in April 2006 and the following results were noted by EPA (EPA, April 2006):

- In 2001 a decision was made to cap 15 cells due to PCB levels; however, there was not enough time remaining in the construction season to complete the cap. As a result, the gravel layer only (i.e., one layer of the proposed three-layer cap) was placed in 2001 and the other layers were to be placed in spring 2002. Capping was subsequently further delayed to allow time for sampling activities (2002 through 2004) necessary to define the full extent of remaining PAH contaminated sediments. As of April 2006, the gravel layer over the sediments was intact over 14 of 15 cells. The gravel layer must be replaced in the fifteenth cell and the sand and armor layers must be added to all fifteen cells within the capped area.
- Sixty cells contain levels of PAHs above the 10 mg/kg cleanup goal and 38 cells range in PAH concentrations from 21.21 mg/kg to 284.9 mg/kg and must be remediated.
- Fish advisories have been put in place for the entire St. Lawrence River to prevent or limit exposures to contaminated fish.

Scheduled Activities

There have been no remedial activities since 2004. An evaluation of potential additional actions is ongoing between EPA and Alcoa.

Reference

EPA. *Five-Year Review Report – Reynolds Metals Company Site. St. Lawrence County – Town of Massena, New York.* April 2006.