



Leech Lake Band of Ojibwe

Leech Lake Band of Ojibwe 128 Brownfields Grant Program

Our Successful Cleanup's of Leech Lake Band
Properties

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www.llojibwe.org

ONIGUM PARISH HALL

- Site: Abandoned Onigum Parish Hall suspected of having Asbestos Containing Materials (ACMs) and Lead Based Paint.
- Problem: Potential exposure to children and releases to the environment.
- Owners: the LLBO owned the land, the Episcopal Diocese of Minnesota owned the Buildings.



LEECH LAKE RESERVATION
HEAD START
Onigum

LLBO TRP Actions

- LLBO Conducted a Phase I Assessment
- LLBO Conducted Phase II Soil Sampling
(by contractor & tribal staff)

The Leech Lake TRP/Brownfields program, in accordance with the LLBO Hazardous Substances Control Act, required the owners to investigate the release of hazardous substances.

The Site Inspection

- We performed sampling on the interior of the facility, lead based paint was found in the white basement door frame, door and west basement wood wall.
- On the exterior, the blue bottom trim and blue window trim contained lead.
- Exterior and interior siding contained asbestos.



Results of Assessment

- Soil sampling around the perimeter of the building conducted by Leech Lake TRP/Brownfields staff confirmed the soil exceeded the Leech Lake Band of Ojibwe Hazardous Substances Control Act (LLBO HSCA) cleanup standard for lead.



ONIGUM PARISH HALL/HEADSTART

2009 WE TOOK 9 SOIL SAMPLES OUTSIDE THE HALL WITHIN A FOOT AND 6 INCHES DEPTH.

Site Cleanup by owner

The Band approved the cleanup plan submitted by the diocese that included demolition and soil remediation and on-site oversight of the response action.

The diocese's contractors carried out the demolition, removed lead-contaminated soil, conducted verification sampling, and backfilled portions of the property, in compliance with Leech Lake laws and TRP/Brownfields program requirements. (some follow up needed to close the site)

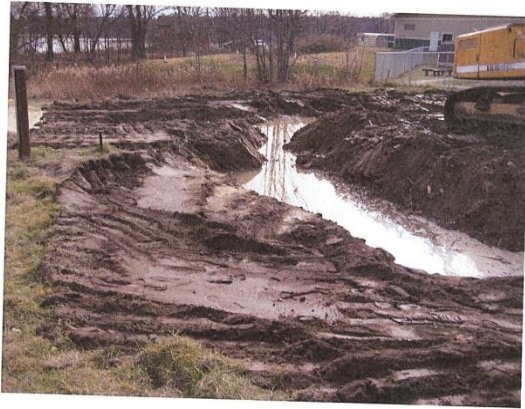


Photo 13 - A view of the completed soil excavation. The top 1-2 feet of soil was removed from the site.



Photo 14 - Another view of the completed soil excavation and demolition activities.



Photo 17 - Another view of the partially completed backfilling activities.

Program Elements

- Use of “other mechanisms and resources”.
- Informal “enforcement” of tribal laws and oversight of cleanup.
- Review of the cleanup plan.
- Verification of the Cleanup.



Brownfields Recognition Award

presented to

Leech Lake Band of Ojibwe

for the

Successful Cleanup of Onigum Parish Hall

In recognition of leadership and commitment

This 4th day of April 2011



Susan Hedman
Regional Administrator
Region 5, U. S. EPA

Deer River Pipeline Oil Leak

- An oil pipeline leak was discovered on the reservation in April, 2010 during response to a forest fire.
- The US EPA was notified.
- The Oil Pipeline company responded immediately and sent a cleanup contractor and company representatives to the scene.
- The LLB Conducted the initial oversight.

Site of Pipeline Oil Leak





04/21/2010 02:39



04/21/2010 02:38



04/21/2010 02:59



04/21/2010 03:08

US EPA Response

- The tribe referred the formal oversight of the response action by the pipeline company to the US EPA Region 5.
- The response action has been deemed completed.
- Leech Lake had sent a closeout letter to Enbridge 2013.

Program Elements

- Use of “other mechanisms and resources”. (US EPA & pipeline company)
- Informal “enforcement” of tribal laws and oversight of cleanup
- Verification of the Cleanup
- Public participation conducted by the pipeline company.

Gun Range/Illegal Dump Site

- The site was originally constructed as a gun range project by the BIA in the mid 1980's.
- First five years the site was used to qualify and certify Conservation Officers.
- After the five years the site was accessible to local residents who dumped solid waste illegally.
- The unofficial gun range may have created possible lead contaminated soil.

Approval of 128 Funding

- In 2007 this site is eligible for use of Brownfields 128 grant funding for assessment and cleanup.
- BIA supported the band for BIA environmental funding to address the site.
- The Band proceeded with assessment and cleanup work on this site on the condition that it requests funding from BIA to cover some of the cost.

Phase I and Phase II TBA

- In 2009 Sullivan Internationals, Inc. and T N & Associates, Inc Joint Venture Team's (STN) Superfund Technical Assessment and Response Team (START), was tasked by US EPA to provide the technical assistance needed to further evaluate the environmental conditions.
- Leech Lake also requested for assistance on this site.

Recommendations

- STN recommends that a Phase II ESA be completed.
- Phase II ESA would be to assess soil and groundwater quality at the site.
- Borings and temporary monitoring wells be completed within the area cleared for the former gun range





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S185

100% Diesel

100% Diesel

Phase II results, conclusions, recommendations

- Most significant found in the berm soils was total lead, based on detected concentration of 421 mg/kg in one soil sample, which exceeds LLBO CLs.
- Removal of soil was properly disposed of.







