

ATTACHMENT 1: INTERVIEW FORMS

Murray Smelter Five Year Review Community Involvement Summary:

Community interviews were conducted as part of the Murray Smelter Five Year Review activities. A public notice was published in the Salt Lake Tribune and Deseret News newspapers on Thursday, June 12, 2008.

Interviews were conducted to address any issues or concerns which may have developed since the first Five Year Review. After the site was cleaned-up in 2001 for reuse and redevelopment, a medical campus, light rail station, and retail stores now occupy the area. Representatives interviewed include the primary property owner and site occupant, Intermountain Healthcare (IHC), Utah Transit Authority (UTA) which operates a light rail spur and parking lot, and Murray City who handle the Institutional Controls for the site.

Tom Uriona, Corporate Real Estate Director -Intermountain Healthcare
Randy Evans, Intermountain Health Care Facilities Manager
Doug Hill, Murray City Public Services Director
Anne Von Weller, Murray City Public Services Deputy Director
Mark Urry, Murray City Environmental Compliance Inspector
Lon Griffith, Utah Transit Authority Environmental Manager

All of those interviewed felt the remedy and institutional controls (ICs) remain effective and functioning as required. Murray City staff responsible for land-use controls said the Smelter Site Overlay District Plan (SSOD) and Barrier Monitoring and Maintenance Plan are actively followed by the property owner and continue to protect public health and the environment. None of the persons interviewed have received any concerns from the surrounding community.

Environmental staffs from both IHC and the UTA expressed good cooperation and coordination with Murray City and feel effective reporting and protective measures are in place to prevent any future compromises to the remedy. The on-site occupants mentioned future utility line maintenance, storm water runoff, landscaping, and monitoring groundwater as the primary activities requiring consistent oversight.



Public Notice
Five-Year Review
Murray Smelter Superfund Site



The Utah Department of Environmental Quality, Division of Environmental Response and Remediation (UDEQ/DERR) – in cooperation with the U.S. Environmental Protection Agency (EPA) – is conducting a Five Year Review of the Murray Smelter Superfund Site located near State Street north of 5300 South Street.

The purpose of a five-year review is to determine whether or not the cleanup and other actions taken at the site remain protective of human health and the environment. The Murray Smelter Superfund site is the former location of an historic lead smelter in Murray City. The lead smelting and arsenic refining operations affected the soil, ground water, surface water and sediment at the 142 acre site and the surrounding area.

The cleanup was completed in 2001 and included the disposal of arsenic and lead contaminated soils, the demolition of the smelter facilities and smokestacks, and placement of less contaminated soils into lined repositories capped by new roadways. The site was cleaned for reuse and redevelopment where a medical campus, light rail station, and retail stores now reside.

This is the second Five Year Review for the former lead smelting facility. During this Review, UDEQ/DERR will examine current information, conduct a site inspection, and community interviews to evaluate all remedy components. The Review will be completed by October 2008, UDEQ and EPA will prepare a report summarizing the results.

If you would like more information about the review or would like to participate in an interview, please contact:

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UDEQ Project Manager
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Dave Allison
UDEQ Community Involvement
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Contact:

Doug Hill
Murray City Public Services Director
Murray City
4646 South 500 West
Murray, Utah 84123

Date of Interview 6-26-08

MURRAY SMELTER
FIVE-YEAR REVIEW QUESTIONS

What do you know and how long have you been involved with the Murray Smelter clean up?

Hill has been involved with the site since the Consent Decree and the Record of Decision was signed in 1998. Hill worked on the development of the Institutional Controls and handling storm water runoff and groundwater issues.

Do you have any *personal* concerns regarding the clean up? Are you aware of any *community* concerns? Hill said he does not have any concerns with this project, is a successful remedy as everybody did their job. Hill said the City was extremely fortunate to find Intermountain Healthcare (IHC) to develop the site and spend more money than they wanted to obtain the property. Hill said EPA learned a reasonable implementation for the remedy and one everyone could feel good about.

No one from the community has expressed any issues since the initial demolition with dust into the air ten years ago and no health concerns with the slag buried on site. The City has tried to make everyone aware and taken a locally responsible approach to the oversight controls currently in place.

Have you noticed anything going on in the area that you believe might have damaged or compromised the remedy? Hill could not think of anything compromising current safe guards to the remedy. The property is 95% developed with preventative barriers in place, landscaping, light rail tracks and parking lots. A five year property dispute settlement was also resolved this month enabling the IHC and the City to correct a potential storm water problem as well

Do you have any additional comments, suggestions or questions regarding the clean up? Hill said his office is coordinating a stakeholder meeting to update staff and with the institutional controls for the site.

Interviewed By: Dave Allison, Utah Department of Environmental Quality

Contact:

**Anne Von Weller
Murray City Public Services Deputy Director
4646 South 500 West
Murray, Utah 84123**

Date of Interview 6-24-8

***MURRAY SMELTER
FIVE-YEAR REVIEW QUESTIONS***

What do you know and how long have you been involved with the Murray Smelter clean up? Von Weller said she has been involved since the early beginning of redeveloping the site in 1998 as a Chief Building Inspector for the city. Von Weller also represented Murray City in all of the stakeholder meetings. Von Weller currently serves as the Public Services Deputy Director.

Do you have any *personal* concerns regarding the clean up? Are you aware of any *community* concerns? Von Weller does not have any remedy issues as the City has been fully committed and follows all site activities diligently. Von Weller said the city has a full-time compliance inspector to oversee the site. A Barrier Monitoring and Maintenance Plan is working great and closely followed by the property occupants and the City regularly visits the site conducting a weekly drive-through. Von Weller said all of Murray City's efforts are communicated fully and produces semi-annual reports.

Von Weller did not have any community concerns other than the challenges within her offices keeping up with personnel changes over time with contractors and point-of-contacts with other agencies. Von Weller hasn't had difficulty coordinating information in the past and said the City is looking at an update coordination meeting this year with all of the stakeholders to put names with new faces.

Have you noticed anything going on in the area that you believe might have damaged or compromised the remedy? Von Weller could not recall any activities structurally or environmentally which may have damaged protective barriers at the site.

Do you have any additional comments, suggestions or questions regarding the clean up? Von Weller said the City is excited and proud of the transformation of the site and prove some of the early naysayers of the redevelopment wrong. Overall, this has been an excellent and successful project.

Interviewed By: Dave Allison, Utah Department of Environmental Quality

Contact:

Mark Urry
Murray City Environmental Compliance Inspector
Murray City
4646 South 500 West
Murray, Utah 84123

Date of Interview 6-17-08

MURRAY SMELTER
FIVE-YEAR REVIEW QUESTIONS

What do you know and how long have you been involved with the Murray Smelter clean up? Mark Urry was hired as the Murray City Environmental Compliance Inspector for Murray City for the site since 1998 with the demolition of the smokestacks and removal of lead and arsenic contaminated soils from the former smelter site. Urry's responsibilities include Murray's oversight of the Land Use Controls for the site and works closely with the primary property owner Intermountain Health Care (IHC) meeting as often as 3-5 times a week..

Do you have any *personal* concerns regarding the clean up? Are you aware of any *community* concerns? Urry does not have any concerns and said the reason is the Barrier Maintenance and Monitoring Plan is working fine, is protective, and precludes contact with any contaminated soils on site. Urry feels the community's perception is everything is fine too and has not expressed any concerns. Pretty much a cradle-to-grave process is in place and IHC is very good to work with. Urry said the cooperation with regulators, the Utah Department of Environmental Quality (UDEQ) and The U.S. Environmental Protection Agency (EPA), is excellent and works great..

Have you noticed anything going on in the area that you believe might have damaged or compromised the remedy? Urry said Murray has maintained a committed philosophy to financing the required staff and activities to monitor the site conditions and keep the property safe. Urry meets regularly with IHC facility staff to coordinate and insure the institutional controls are followed.

Do you have any additional comments, suggestions or questions regarding the clean up?

Urry said any problems with the site are in the past and occurred early on with the cleanup. The Superfund process was new to the city and at first posed a considerable learning curve going into the cleanup completely blind. Finding a consultant for Superfund cleanup was a difficult process yet the city received good recommendations from UDEQ and EPA to find assistance. Asarco's financial woes and looming bankruptcy was also a concern but a financial burden the City accepted readily and committed to today.

Interviewed By: Dave Allison, Utah Department of Environmental Quality

Contact:

**Randy Evans, Facility Manager
Intermountain Healthcare
Intermountain Medical Center
5121 South Cottonwood Drive
Murray, Utah 84107**

Date of Interview 7-1-2008

***MURRAY SMELTER
2008 FIVE-YEAR REVIEW QUESTIONS***

What do you know and how long have you been involved with the Murray Smelter clean up? Randy Evans has worked for Intermountain Healthcare (IHC) as a Facility Manager since 2003. Evans said he works with IHC environmental contractors to ensure compliance and safety measures are met on the asphalt capped areas of the hospital grounds.

Do you have any *personal* concerns regarding the clean up? Are you aware of any *community* concerns? Evans does not have any concerns for the remedy as IHC is doing everything possible to protect the visitors and staff at IHC. Evans says IHC takes extremely important measures to make sure those who possibly can come into contact (mainly facility maintenance workers) with the contamination. Safety worker education and blood lead monitoring is provided, before and after, working on landscaping and asphalt capped areas of the property. Evans says he meets regularly with Murray City Inspector, Mark Urry, and frequently when any potential facility operations may involve the cap. Evans said no one from the community has raised any health concerns about the hospital's existence on a former smelter site.

Have you noticed anything going on in the area that you believe might have damaged or compromised the remedy? Evans said he's never experienced a release and feels preventative measures are followed closely at the hospital. A sophisticated water monitoring system is in place with an automatic shutdown feature to eliminate potential groundwater leaks from utility pipes. Underground structures are required to have any amount of water sampled for contaminants and Evans could only recall one instance of migrating water in an underground tunnel. The water was immediately sampled (non-detect) by a third party laboratory and all reported to the City. Evans said any landscaping vegetation larger than a flower is coordinated with Murray City officials as well.

Do you have any additional comments, suggestions or questions regarding the clean up? Evans said could not suggest doing things better as far as institutional controls.

Interviewed By: Dave Allison, Utah Department of Environmental Quality

Contact:

**Tom Uriona, CCIM, MAI, CRE
Corporate Real Estate Director
Intermountain Healthcare
36 South State Street, 23rd Floor
Salt Lake City, UT**

Date of Interview 6-19-2008

**MURRAY SMELTER
2008 FIVE-YEAR REVIEW QUESTIONS**

What do you know and how long have you been involved with the Murray Smelter clean up? Tom Uriona became involved with the Murray Smelter site in 1998 and negotiated the Consent Decree with EPA for Intermountain Healthcare (IHC). IHC management was looking for a centralized location in the Salt Lake Valley for a new high level trauma center and was interested in the Murray Smelter property. Uriona coordinated development and leasing property issues with Murray City and the Utah Transit Authority.

Do you have any personal concerns regarding the clean up? Are you aware of any community concerns? Uriona does not have any concerns regarding the remedy of the Murray Smelter site. Uriona said IHC understood the issues, took a guarded approach to developing the site and went through the process that would make everyone involved feel comfortable.

Uriona said IHC has worked with and followed Murray City ordinances, EPA and UDEQ requirements to the letter of the law for a number of years and always had a good working relationship with the regulators.

Uriona hasn't heard any community concerns from area businesses or from the medical community facility. IHC also leases property to Costco and, recently to General Electric software, saying their legal council thoroughly researched liability issues and were comfortable occupying the site as well.

Have you noticed anything going on in the area that you believe might have damaged or compromised the remedy? Capping the site with the medical campus eliminated access to the contaminants and utility corridors were backfilled with clean fill to prevent future cap disturbances. Overall, Uriona is pretty happy with what's taken place. Uriona receives quarterly sampling reports from their contractor and notes the contaminant levels are going down in the groundwater.

Do you have any additional comments, suggestions or questions regarding the clean up? Uriona did not have additional comments but provided an article to a real estate organization promoting the cleanup site as a success story.

Interviewed By: Dave Allison, Utah Department of Environmental Quality

Contact:

Lon Griffith
Utah Transit Authority
Main Office
3600 S 700 W
Salt Lake City, Utah 84130-0810

Date of Interview 6-30-08

MURRAY SMELTER
FIVE-YEAR REVIEW QUESTIONS

What do you know and how long have you been involved with the Murray Smelter clean up? Griffith is relatively new to the site as of 2005 and taken over the environmental oversight of construction and cleanup areas for Utah Transit Authority (UTA). Griffith inspects all of the light-rail stations and parking lot areas, including the Murray Station. Griffith said he's aware of the Superfund history of the area and related UTA responsibilities.

Do you have any *personal* concerns regarding the clean up? Are you aware of any *community* concerns? Griffith does not have any health concerns for those using the UTA light rail areas as all of the exposure pathways to the slag contaminants are capped. Griffith said UTA is very familiar with the Smelter Site Overlay District (SSOD) slopes, vegetation, parking lot, and repository requirements. Griffith said his primary issue at this time is maintaining some vegetated areas of grass possibly killed by ice melt used on the parking lot over the winter. Griffith concerns are minimal and not from a threat to public health and the environment. Griffith is unaware of anyone from the community having any health or environment concerns for the area.

Have you noticed anything going on in the area that you believe might have damaged or compromised the remedy? Griffith could only relate two instances where a UTA contractor accidentally drilled some geo-tech sample holes in an area without coordinating with site environment staff and a facility maintenance operator clipped a monitoring well cap which was quickly repaired. In both instances, Mark Urry, Murray City Inspector, was notified immediately according to the city ordinances.

Do you have any additional comments, suggestions or questions regarding the clean up? No additional comments.

Interviewed By: Dave Allison, Utah Department of Environmental Quality

**ATTACHMENT 2: DOCUMENTS REVIEWED FOR THE
SECOND FIVE-YEAR REVIEW**

List of Documents Reviewed for the Second Five-Year Review, Murray Smelter Site

Record of Decision for the Murray Smelter Site, April 1, 1998

Remedial Design Report for Groundwater and Surface Water Monitoring, Murray Smelter Site, April 13, 1998

Sampling and Analysis Plan for Groundwater and Surface Water Monitoring Programs, Murray Smelter Site, October 31, 2000

Interim Operations and Maintenance Plan for the Murray Smelter Site, June 1, 2001

Operations and Maintenance Report for Murray Smelter Site, July, 2003

Final Sampling Activities Report, Groundwater /Surface Water Monitoring Report February 2007, Murray Smelter Site, May 2007

2007 Murray Smelter Site Overlay District Annual Report, March 17, 2008

Groundwater and Surface Water Monitoring Report, Fourth Quarter 2007, Murray Smelter Site, May 2008

1st Quarter 2008 Monitoring Results, Former Asarco Murray Smelter Site, Murray Utah, June 8, 2008