

**Ted Stevens Anchorage International Airport - South
Terminal Boiler Plume Mitigation**

**FY2015 Request: \$544,000
Reference No: 58643**

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Anchorage Areawide

House District: Anchorage Areawide (HD 11-27)

Impact House District: Anchorage Areawide (HD 11-27)

Contact: Steven Hatter

Estimated Project Dates: 07/01/2014 - 06/30/2021

Contact Phone: (907)269-0730

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This project is to mitigate the vapor plume from one of six boilers at the South Terminal and is Phase 1 of a project to complete the work on all boilers. After a season or two of evaluating the success of Phase 1 in mitigating the plume, a determination will be made on how to proceed with Phase 2, mitigation of the plume on the remaining boilers.

Funding:	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Fed Rcpts	\$510,000						\$510,000
Int Airprt	\$34,000						\$34,000
Total:	\$544,000	\$0	\$0	\$0	\$0	\$0	\$544,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Prior Funding History / Additional Information:

No prior funding history

Project Description/Justification:

A scoping study to mitigate the identified possible hazard was accomplished in early 2013. The study identified 7 alternative solutions to mitigate the vapor plume formation. Two options were evaluated using a life-cycle cost (LCC) analysis. The solution recommended in the study (and accepted by ANC) was estimated to have a \$2.1 LCC for all six boilers and was ~\$160,000 above the second alternative but had a significantly greater likelihood of effective mitigation.

This project responds to an April 25, 2013 FAA Determination of Hazard to Air Navigation. The determination identifies a possible hazard/visual obstruction regarding ATCT line of sight to movement surfaces caused by moisture vapors from the South Terminal's boiler exhaust.