# ENVIRONMENTAL HEALTH

The Environmental Health Department protects the environment and the health and safety of Albuquerque area citizens through regional air and groundwater monitoring, landfill characterization and remediation, offering safe disposal options for household hazardous waste, and ensuring that city-owned fueling facilities comply with environmental regulations. The department is the health authority for the City of Albuquerque and takes a leadership role in improving the health and well being of the citizens of Albuquerque. These efforts prevent disease and disability through consumer protection programs, such as restaurant inspection, and through a county-wide program to prevent diseases transmitted by insects and rodents. The department also promotes public health by fostering partnerships with citizens, community groups and businesses. To accomplish its mission, the department conducts activities in public information, planning, plan review, standards and regulation review and development, enforcement, inspection, surveillance, analyses, response to complaints, investigation and environmental remediation.

## MISSION

To serve the citizens of Albuquerque and Bernalillo County through programs designed to prevent disease, promote health and protect the environment.

| Operating Fund Expenditures by Category ($000,s) | UNAUDITED ACTUAL FY/10 | ORIGINAL BUDGET FY/11 | REVISED BUDGET FY/11 | ESTIMATED ACTUAL FY/11 | APPROVED BUDGET FY/12 | APPR 12/ EST ACT 11 CHG |
|---|---|---|---|---|---|---|
| Personnel | 4,377 | 4,387 | 4,387 | 3,914 | 4,584 | 670 |
| Operating | 1,462 | 1,463 | 1,463 | 1,340 | 1,325 | (15) |
| Capital | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfers | 448 | 499 | 499 | 519 | 328 | (191) |
| Grants | 1,969 | 1,916 | 1,916 | 1,916 | 1,916 | 0 |
| TOTAL | 8,256 | 8,265 | 8,265 | 7,689 | 8,153 | 464 |
| TOTAL FULL TIME POSITIONS | 88 | 80 | 83 | 83 | 82 | (1) |

## *BUDGET HIGHLIGHTS*

The FY/12 approved General Fund budget for the Environmental Health Department is $3.6 million, a decrease of $14 thousand from the FY/11 original budget. The department decreased overall operating expense in several line items to save $133 thousand. General Fund positions at the beginning of the year were 27 and three environmental health specialist II positions were created midyear to augment the consumer health division's food inspection staff. One deputy director position was deleted to provide overall cost savings to the General Fund. General Fund positions are now 29.

The urban biology program has an increase of $30 thousand to provide contractual funding for an additional temporary worker at the gambusia pond, as well as maintenance and supplies to ensure proper maintenance of the newly renovated pond. An additional $20 thousand was approved to cover increased electrical costs at the Montessa Park lab facility and seven thousand dollars was added to support ongoing efforts to collect outstanding health permit fees..

### AIR QUALITY FUND

The department's FY/12 approved budget for the Air Quality Fund is $2.6 million, a decrease of $98 thousand or 3.6% from the FY/11 original budget. Despite increases for employee benefits, the fund decreased expenditures for risk as well as lowering the budgeted amount for supplies. The fund did not add any midyear positions and the personnel count remains at 32. Five vacant positions are not funded. These are a field operations officer, two environmental health specialist I positions, one environmental health specialist II and one environmental health scientist. The fund continues to take steps to rebuild fund balance after several years of higher expenditures against lower revenues.

# ENVIRONMENTAL HEALTH

**OPERATING PERMITS**

The FY/12 approved budget for Air Quality's operating permits program is $1.5 million with $309 thousand of this amount dedicated to Title V programs. The program received approval from the Bernalillo County Air Quality Control Board in FY/11 to increase air quality permit fees to more accurately reflect the expenses required to carry out currently mandated Environmental Protection Administration regulations.

**VEHICLE POLLUTION**

The FY/12 approved budget for the vehicle pollution management program is $1.1 million.

**OPERATING GRANTS**

For FY/12, Operating Grants in the department total $1.9 million. These are the air pollution control grant and a state grant of $18 thousand for arbovirus disease (mosquito) surveillance in the Albuquerque and Bernalillo County area. Grant funded positions remain at 21 full-time positions.

| ($000's) | UNAUDITED ACTUAL FY/10 | ORIGINAL BUDGET FY/11 | REVISED BUDGET FY/11 | ESTIMATED ACTUAL FY/11 | APPROVED BUDGET FY/12 | APPR 12/ EST ACT 11 CHG |
|---|---|---|---|---|---|---|
| PROGRAM STRATEGY SUMMARY BY FUND AND GOAL: | | | | | | |
| GENERAL FUND - 110 | | | | | | |
| GOAL 1: HUMAN AND FAMILY DEVELOPMENT: | | | | | | |
| Consumer Health Protection | 1,039 | 1,070 | 1,070 | 1,012 | 1,244 | 232 |
| Urban Biology (Vector Borne & Zoonotic Disease) | 398 | 409 | 409 | 410 | 474 | 64 |
| GOAL 5: ENVIRONMENTAL PROTECTION AND ENHANCEMENT | | | | | | |
| Environmental Services | 1,328 | 1,500 | 1,500 | 1,430 | 1,263 | (167) |
| Strategic Support | 814 | 642 | 642 | 587 | 626 | 39 |
| Total General Fund - 110 | 3,579 | 3,621 | 3,621 | 3,439 | 3,607 | 168 |
| AIR QUALITY FUND - 242 | | | | | | |
| GOAL 5: ENVIRONMENTAL PROTECTION AND ENHANCEMENT | | | | | | |
| Operating Permits - 242 | 1,390 | 1,392 | 1,392 | 1,201 | 1,122 | (79) |
| Operating Title V - 242 | 0 | 0 | 0 | 0 | 309 | 309 |
| Vehicle Pollution Management - 242 | 1,189 | 1,208 | 1,208 | 1,005 | 1,074 | 69 |
| Trfr from Fund 242 to Fund 110 | 129 | 128 | 128 | 128 | 125 | (3) |
| Total Air Quality Fund - 242 | 2,708 | 2,728 | 2,728 | 2,334 | 2,630 | 296 |
| OPERATING GRANTS FUND - 265 | | | | | | |
| GOAL 5: ENVIRONMENTAL PROTECTION AND ENHANCEMENT | | | | | | |
| Total Operating Grants Fund - 265 | 1,969 | 1,916 | 1,916 | 1,916 | 1,916 | 0 |
| TOTAL APPROPRIATIONS | 8,256 | 8,265 | 8,265 | 7,689 | 8,153 | 464 |

## *REVENUE*

General Fund revenues increased for FY/12 when compared with the original FY/11 budget as a result of increased fees for food permits. General Fund revenues are estimated to be $1.7 million due to anticipated increases in restaurant inspection fees. Air Quality Fund revenues are budgeted to increase by $200 thousand from $2.5 million in the original FY/11 budget to $2.7 million in FY/12.

# ENVIRONMENTAL HEALTH

| Department Generated Fees for Services ($000's) | UNAUDITED ACTUAL FY/10 | ORIGINAL BUDGET FY/11 | ESTIMATED ACTUAL FY/11 | APPROVED BUDGET FY/12 | APPR 12/ EST ACT 11 CHG |
|---|---|---|---|---|---|
| Restaurant Inspection | 633 | 650 | 885 | 951 | 66 |
| Food Processing Inspection | 163 | 163 | 230 | 245 | 15 |
| Swimming Pool Inspection | 135 | 124 | 136 | 136 | 0 |
| Body Art Ordinance | 14 | 8 | 16 | 14 | (2) |
| CPO Training Permit | 0 | 9 | 19 | 9 | (10) |
| Air Quality Penalties | 67 | 150 | 120 | 120 | 0 |
| County Shared Operations | 254 | 249 | 249 | 249 | 0 |
| Station Permit Fees - 242 | 29 | 29 | 36 | 25 | (11) |
| Inspector Certification -242 | 15 | 12 | 15 | 10 | (5) |
| Certified Paper - 242 | 1,232 | 1,265 | 1,250 | 1,250 | 0 |
| Asbestos Notification - 242 | 43 | 50 | 45 | 40 | (5) |
| Dust Permits -242 | 216 | 240 | 228 | 240 | 12 |
| Title V Operator Permit Fees - 242 | 357 | 372 | 356 | 429 | 73 |
| Operator Permit Fees | 434 | 560 | 505 | 728 | 223 |
| Transfer fr refuse disposal Fd-651 | 444 | 594 | 594 | 588 | (6) |
| Transfer fr refuse disposal Fd-653 | 305 | 331 | 374 | 425 | 51 |

## *PERFORMANCE MEASURES*

GOAL 1: HUMAN AND FAMILY DEVELOPMENT - All residents have the opportunity to participate in the community and economy, and are well sheltered, safe, healthy, and educated.

PROGRAM STRATEGY

CONSUMER HEALTH PROTECTION - To improve the operating conditions at food, swimming pool/spa, and body art establishments to minimize the number of people who may get sick from using the services.

| Measure | Actual FY/09 | Actual FY/10 | Approved FY/11 | Actual FY/11 | Approved FY/12 |
|---|---|---|---|---|---|
| *DESIRED COMMUNITY CONDITION - Residents are safe from public health risks.* | | | | | |
| Proportion of required inspections completed | 7,197 | 8,464 | 8,000 | 7,140/6144 | 8,000 |
| *DESIRED COMMUNITY CONDITION - Residents are active and healthy.* | | | | | |
| Complaints addressed (311 or direct contact) including Vic and Epi | 1,134 | 1,268 | 1,000 | 1,260 | 1,000 |
| # food- or water-borne health incidents | 230 | 197 | 156 | 165 | 150 |

URBAN BIOLOGY - Protect humans and animals county-wide from biodisease outbreaks whether by natural or deliberate means.

| Measure | Actual FY/09 | Actual FY/10 | Approved FY/11 | Actual FY/11 | Approved FY/12 |
|---|---|---|---|---|---|
| *DESIRED COMMUNITY CONDITION - Residents are safe from public health risks.* | | | | | |
| Number of mosquito control activities performed -- includes site checks, pesticide application for larvae and adult control, outreach & fish delivery | - | 1,245 | 1,500 | 1,478 | 1,500 |
| *DESIRED COMMUNITY CONDITION - Residents are active and healthy.* | | | | | |
| Number of human/veterinary cases of vector-borne or zoonotic disease Reported by calendar year in which the Fiscal Year ends (e.g. FY/11 measures are for calendar year 2011) | 14 | 7 | 0 | 7 | 0 |
| Complaints addressed (311 or direct contact) | 982 | 766 | 800 | 394 | 900 |

GOAL 5: ENVIRONMENTAL PROTECTION AND ENHANCEMENT - Protect and enhance Albuquerque's natural environments - its mountains, river, Bosque, volcanoes, arroyos, air, and water.

PROGRAM STRATEGY

ENVIRONMENTAL SERVICES - Protect and enhance air quality for current and future generations and thereby protect public health, economic well-being and the aesthetic values for the community (Bernalillo County).

| Measure | Actual FY/09 | Actual FY/10 | Approved FY/11 | Actual FY/11 | Approved FY/12 |
|---|---|---|---|---|---|
| *DESIRED COMMUNITY CONDITION - Air, water, and land are protected from conditions that are harmful to people and the environment.* | | | | | |
| Former City landfills in compliance with New Mexico Environment Department groundwater/solid waste quality standards | Yes | Yes | Yes | Yes | Yes |
| Gallons of groundwater treated via pump-and-treat system at Los Angeles Landfill | 0 | 0 | 2,000,000 | 12,000,000 | 100,000,000 |

# ENVIRONMENTAL HEALTH

| Measure | Actual FY/09 | Actual FY/10 | Approved FY/11 | Actual FY/11 | Approved FY/12 |
|---|---|---|---|---|---|
| Household Hazardous Waste | | | | | |
| # of pounds of household hazardous waste collected | 454,866 | 379,495 | 450,000 | 279,294 | 450,000 |
| # of gallons of household hazardous waste collected | 39,660 | 34,639 | - | 28,268 | - |
| # of participants | 8,753 | 9,425 | 9,500 | 10,222 | 9,500 |

AIR QUALITY OPERATING PERMITS - Protect and enhance air quality for current and future generations and thereby protect public health, economic well-being and the aesthetic values for the community (Bernalillo County).

| Measure | Actual FY/09 | Actual FY/10 | Approved FY/11 | Actual FY/11 | Approved FY/12 |
|---|---|---|---|---|---|
| *DESIRED COMMUNITY CONDITION - Air, water, and land are protected from conditions that are harmful to people and the environment* | | | | | |
| # permits issued within required regulatory timetable/#permit applications | 193/227 | 278/297 | 242/250 | 191/204 | 209/230 |

AIR QUALITY OPERATING GRANTS - Protect and enhance air quality for current and future generations and thereby protect public health, economic well-being and the aesthetic values for the community (Bernalillo County).

| Measure | Actual FY/09 | Actual FY/10 | Approved FY/11 | Actual FY/11 | Approved FY/12 |
|---|---|---|---|---|---|
| *DESIRED COMMUNITY CONDITION - Air, water, and land are protected from conditions that are harmful to people and the environment.* | | | | | |
| Proportion of criteria pollutants within EPA Allowable Levels | 9/9 | 10/10 | 14/14* | 14/14* | 15/15 |
| Additional pollutants not on the NAAQS list but required as part of NCore include:<br>1. Speciation, 2 samplers<br>2. PM10-2.5 (particulate matter 10 microns minus particulate matter 2.5 microns)<br>3. NOY<br>4. Wind speed<br>5. Wind direction<br>6. Barometric pressure<br>7. Temperature (2 meter)<br>8. Temperature (10 meter)<br>9. Relative Humidity<br>10. Solar Radiation | 1. CO 1 hr<br>2. CO 8hr<br>3. NO2 Annual<br>4. PM10 24hr<br>5. PM2.5 Annual<br>6. PM2.5 24 hr<br>7. Ozone 1 hr<br>8. Ozone 8hr (2008)<br>9. Ozone 8hr (1997) | 1. CO 1 hr<br>2. CO 8hr<br>3. NO2 Annual<br>4. NO2 1hr (2010)<br>5. PM10 24hr<br>6. PM2.5 Annual<br>7. PM2.5 24 hr<br>8. Ozone 1 hr<br>9. Ozone 8hr (2008)<br>10. Ozone 8hr (1997) | 1. CO 1 hr<br>2. CO 8hr<br>3. NO2 Annual<br>4. NO2 1hr (2010)<br>5. PM10 24hr<br>6. PM2.5 Annual<br>7. PM2.5 24 hr<br>8. Ozone 1 hr<br>9. Ozone 8hr (2008)<br>10. Ozone 8hr (1997)<br>11. SO2 Annual<br>12. SO2 24hr<br>13. SO2 1hr<br>14. SO2 secondary 3hr | 1. CO 1 hr<br>2. CO 8hr<br>3. NO2 Annual<br>4. NO2 1hr (2010)<br>5. PM10 24hr<br>6. PM2.5 Annual<br>7. PM2.5 24 hr<br>8. Ozone 1 hr<br>9. Ozone 8hr (2008)<br>10. Ozone 8hr (1997)<br>11. SO2 Annual<br>12. SO2 24hr<br>13. SO2 1hr<br>14. SO2 secondary 3hr<br>15. Lead Ncore |

* - The Division is currently evaluating calendar year 2011 PM10 data concerning two PM10 exceedances that will be flagged as exceptional events (high winds), EPA regional concurrence is required. The Division is currently evaluating PM2.5 and PM10 exceedance data during the Wallow Fire event that will be flagged as exceptional events (wild fire), EPA regional concurrence is required.

* - The Ozone standard is being revised. Depending on the NAAQS level established for ozone primary and secondary resulting proportion may change.

VEHICLE POLLUTION MANAGEMENT - Protect the public health and air quality by minimizing harmful vehicle emissions through the design and operation of cost-effective prevention and control programs.

| Measure | Actual FY/09 | Actual FY/10 | Approved FY/11 | Actual FY/11 | Approved FY/12 |
|---|---|---|---|---|---|
| *DESIRED COMMUNITY CONDITION - Air, water, and land are protected from conditions that are harmful to people and the environment.* | | | | | |
| # initial vehicle inspections performed | 237, 015 | 238,688 | 240,000 | 270,278 | 250,000 |

## *PRIOR YEAR ACCOMPLISHMENTS*

### *Consumer Health Protection*

- Updated Albuquerque's Food Ordinance to reflect the most recent health standards and best available technology per the adoption of the 2009 Federal Food Code.
- Increased Albuquerque's health inspection team to eight inspectors. This team conducts approximately 10,000 health inspections each year, ensuring Albuquerque's food supply, pools and spas are safe for the public.

### *Groundwater Protection*

- Completed the Installation of a groundwater remediation system at the Los Angeles landfill, where contamination had seeped into Albuquerque's groundwater; to date over 12 million gallons of water has been removed, treated and returned to Albuquerque's aquifer.

# ENVIRONMENTAL HEALTH

***Household Hazardous Waste Collection***

- Collected over 218,000 pounds of household hazardous waste from 9,850 Albuquerque/Bernalillo County residents at the Household Hazardous Waste Collection Center located at 6133 Edith NE. Since opening in 1998, the Household Hazardous Waste Collection Center has welcomed over 76,000 participants and provided safe disposal for approximately four million pounds of hazardous waste from City and County residents.

***Urban Biology***

- A new Montessa Park Lab facility was completed and brought online in 2011. The facility provides improved capacity for monitoring vector-borne and zoonotic disease such as West Nile virus, plague and tularemia. The new facility houses an expanded laboratory and a GIS/mapping area, as well as expanded office space for division staff.
- Completed the redesign and rehabilitation of Albuquerque's gambusia mosquitofish stock pond. The new pond setup will greatly increase production capacity of mosquitofish, which are small fish that eat mosquito larvae, and are distributed to the public for free. In addition to higher production, the new pond configuration provides for easier maintenance and improved biosecurity to prevent fish stocks from catastrophic loss.

***Air Quality***

- With the exception of smoky conditions from the Wallow fire in Arizona, Albuquerque enjoyed another year of clean air. The Albuquerque area met all EPA health-based ambient air standards in FY/11.
- One of Albuquerque's nine monitoring stations located near Del Norte High School was reconfigured and upgraded with new instrumentation. The upgraded station is part of the U.S. Environmental Protection Agency National Core Monitoring Network program. The program provides a national look at air pollution, using a distributed network of qualified sites that measure all criteria pollutants with consistent techniques.
- Reduced operating costs through significant improvements to communication and accessibility for permit holders. Simplified the procurement and maintenance of required permits for small businesses and other permittees.

***Vehicle Pollution Management***

- Produced significant improvements to Albuquerque's vehicle emissions testing program by extending the exemption on new vehicles to four years, putting all vehicles on a biennial (every other year) test schedule, exempting classic collector cars over 35 years in age, removing unnecessary steps to shorten the test, testing diesels every two years rather than just at change of ownership, and replacing an obsolete procedures manual with a much more useful technical guide.

## *PRIORITY OBJECTIVES*

**ENVIRONMENTAL PROTECTION AND ENHANCEMENT GOAL**: PROTECT AND ENHANCE ALBUQUERQUE'S NATURAL ENVIRONMENTS, ITS MOUNTAINS, RIVER, BOSQUE, VOLCANOES, ARROYOS, AIR, AND WATER.

- OBJECTIVE 1. Because EHD foresees Albuquerque-Bernalillo County ozone levels will exceed future revised U.S. Environmental Protection Agency (EPA) standards, following the EPA revising the ozone standard in 2011, EHD will develop an attainment plan to comply with the revised regulation. The attainment plan will document steps necessary to meet the ozone standard. This plan may include a timeline for attainment, identifying regional collaboration agencies and their involvement in the process, and the specific steps that will be taken to reach compliance. The Department will provide this plan to the Mayor and City Council by the end of 2nd Quarter, FY/12.